

# Index

- A. P. Hill Military Reservation: 265, 290, 480  
Aberdeen Proving Ground: 469  
Ackerson, Maj. Duane W.: 440  
Adcock, Maj. Gen. Clarence L.: 23, 36, 41, 59, 138  
Adjutant General, The: 121-22, 123, 150, 287, 342  
Adjutant General's Office: 282, 294, 351, 365, 425  
Administrative Division, OCE: 132  
Advisory Commission to the Council of National Defense. *See* National Defense Advisory Commission.  
Aerial photography. *See* Camouflage; Mapping, aerial photography.  
Agriculture, Department of: 83, 84, 289  
Air compressors: 33-34. *See also* Construction machinery.  
Air Corps. *See* Army Air Forces.  
Air Engineer. *See* Army Air Forces, Air Engineer.  
Air Force Combat Command: 129, 140  
Air Service. *See* Army Air Forces.  
Air Transport Command: 316  
Airborne aviation battalions: 145n, 315-16, 318, 319, 324, 325, 329, 332  
Airborne battalions: 145n, 222  
Airborne combat engineers: 315  
Airfields, construction of: 18, 56-57, 62, 315, 467.  
*See also* Landing mat.  
Airplane hangars, portable: 553  
Albany Engineer Depot: 543  
Alcan Highway: 143, 298, 299  
Alligator: 356, 374-75  
Allis-Chalmers Manufacturing Co.: 32, 180, 190, 191  
Allison Steel Co.: 495  
American Can Co.: 469  
American Expeditionary Force. *See* World War I.  
American Revolution: 2  
American Steel and Wire Co.: 58  
Amphibian brigades  
    activities overseas: 372, 390  
    classification and control of: 222, 387  
    organization and functions: 363, 365, 376, 378, 384, 387  
    personnel: 156, 342, 365-66, 372, 388, 390  
    renamed special brigades: 386, 387  
Amphibious equipment  
    Alligator: 356, 374-75  
    DUKW: 375-76  
    landing craft: 363-64, 369, 370, 371, 373-74, 377, 385-86, 389  
        plan for assembly in Southwest Pacific theater of operations: 380-84, 382n  
Amphibious equipment—Continued  
    road expedients: 374  
    testing site: 464  
Amphibious operations  
    division of control between Army and Navy: 355, 356-61, 369, 372, 376-79, 380, 382, 383, 384, 385, 386  
    doctrine: 362-63, 580  
    early doctrine and equipment for: 21, 355-58  
Amphibious training  
    AGF Amphibious Training Centers: 358-59, 360, 361, 364, 367, 371, 378, 379, 387, 389, 472  
    Engineer Amphibian Command  
        administrative organization: 361-62, 365, 368  
        effect of Southwest Pacific theater of operations requirements on: 379-85, 386  
        effort of AGF to absorb: 387  
        establishment: 361  
        facilities: 364  
        mission: 360-61, 362-63, 369-70, 372, 376, 378-79  
        schooling: 367-68, 373  
        summary and evaluation: 389-90  
        training literature: 388  
        4-week program: 366-67, 368, 369, 370  
        5-month program: 388-89  
    joint training with AGF: 367, 372-73, 379, 386-87, 389  
Amphibious Training Command, Atlantic Fleet: 389  
Appropriations. *See also* Funds.  
    Army: 93, 94  
    civil and military, 1938-41: 9, 9n  
    procurement of supplies: 36, 92, 94, 97, 98, 99, 99n, 100, 176  
*Arbeitsdienst* (Labor Service): 20  
Armco International Corp.: 470, 476  
Armored battalions: 23-24, 34, 44, 53, 126, 137-38, 222, 224. *See also* Unit training, before Pearl Harbor; Unit training, AGF, nondivisional units.  
Armored Divisions: 224  
    1st: 44  
    2d: 130  
Armored Force: 23, 24, 26, 146. *See also* Armored battalions.  
    bridging: 43, 46, 48, 49, 52-53, 63, 483, 484, 487, 492, 493  
    on camouflage of individuals: 86  
    and petroleum pipelines: 419

Armored Force Board: 477  
 Armored Force Engineer 489. *See also* Oliver, Maj. Gen. Lunsford E.  
 Armored forces: 16-17, 75  
 Army Air Forces: 9, 26, 135, 492, 502. *See also* Aviation units; General Headquarters Air Force; Mission, with Army Air Forces.  
 Air Engineer: 314, 319, 323, 325, 334. *See also* Davison, Brig. Gen. Donald A.; Godfrey, Brig. Gen. Stuart C.; Mayo, Col. George.  
 camouflage: 84  
 Commanding General. *See* Arnold, Gen. Henry H.  
 Director of Photography. *See* Kaye, Col. Minton W.  
 engineer units controlled by: 221, 222. *See also* Troop units, division of control among commands.  
 equipment development  
     landing mat: 56, 57, 58-61, 62, 201  
     Engineer Board representative: 29  
 maintenance units: 570, 571  
 mapping: 70. *See also* Mapping, aerial photography.  
 percentage of engineer troops in: 238  
 personnel  
     assignment: 153  
     Bradley Plan for redistribution: 331-32  
     Engineer officers: 123, 146  
     officers: 124  
     specialists: 117. *See also* Specialists, recruitment by voluntary enlistment, AAF units.  
 procurement: 102, 204  
 in relation to ground troops: 223  
 Strategic Engineering Studies: 440  
 training. *See also* Basic training, of aviation engineers; Unit training, AAF.  
     engineer officers: 330  
     equipment: 316-17  
     specialists. *See* Specialists, training.  
 Army Air Forces (Technical) Training Command: 317, 318, 322, 326, 327, 333, 334.  
 Army Air Forces units  
     1st Photographic Group: 77, 446, 447, 451  
     91st Observation Squadron: 70  
 Army Corps  
     bridging for: 39  
     engineer units in: 15-16, 24, 139. *See also* Group system of organization.  
     supply and maintenance units for: 35-36  
 Army General Classification Test: 116, 300, 576  
 Negroes in Classes IV and V: 237-38  
 percentage of AGF fillers in Classes IV and V: 349  
 percentage of engineers in Classes I and II: 153  
 in selecting officer candidates: 149, 152

Army General Classification Test—Continued  
     in selecting specialist candidates: 246-47, 253, 283  
 Army GHQ reserve  
     engineer component of: 139, 225  
     supply and maintenance units for: 36  
 Army Ground Forces: 135, 277, 452.  
 Commanding General. *See* McNair, Lt. Gen. Lesley J.  
 engineer units controlled by: 221-23. *See also* Troop units, division of control between commands.  
 equipment development  
     beach obstacle clearance: 472  
     bridging: 484, 485, 487, 489, 491, 492, 494-96  
     mine detectors and minefield clearing devices: 476, 478-79, 480  
     tanks: 491  
 functions: 224  
 Ground Engineer. *See* Hughes, Col. John B.  
 Ground Engineer Section: 337-38, 350, 353  
 percentage of engineer troops in: 238  
 personnel. *See also* Cadres; Fillers; Specialists.  
     assignment: 153, 350  
     fillers for service units: 161, 242  
 reductions in number of divisions: 223  
 training. *See also under* Basic training; Unit training.  
     amphibious: 358, 360, 363, 366, 367, 369  
     specialists. *See* Specialists, training.  
     Engineer officers: 160  
 troop organization. *See also specific types of units.*  
     conversion of separate battalions to general service regiments: 139-40  
     group system: 225, 230-31, 232, 577  
     maintenance and supply units: 227-29, 570, 571  
 Army Ground Forces Reduction Board: 226  
 Army Ground Forces units  
     Divisions  
         4th Armored: 487  
         5th Armored: 486  
         1st Infantry: 355, 356, 358  
         3d Infantry: 355, 356, 358, 359  
         4th Infantry: 389  
         41st Infantry: 249  
         45th Infantry: 73  
     Headquarters and Headquarters Detachment, Special Troops: 341  
     Regiments  
         30th Infantry: 356  
 Army Industrial College: 111  
 Army Map Service: 442, 444, 450, 456, 457, 458, 460, 461, 462, 463  
 Army and Navy Munitions Board: 96, 99, 102, 103, 189, 191, 196, 465

- Army regulations
  - camouflage: 81, 82
  - mapping: 70, 72, 73, 76
  - weight and width of vehicles: 492
- Army Service Forces (Services of Supply): 3, 154, 159, 199, 224
  - administrative organization: 219-21
    - Assistant Chief of Staff for Personnel: 157
    - Commanding General. *See* Somervell, Gen. Brehon B.
    - Deputy Chief of Staff for Requirements and Resources. *See* Clay, Lt. Gen. Lucius D.
    - Deputy Director of Operations: 233
    - Deputy Director of Training. *See* Trudeau, Brig. Gen. Arthur G.; Weible, Maj. Gen. Walter L.
  - establishment and functions: 135-36
  - amphibious operations, organization and training: 360, 363, 369, 370, 372, 377, 379, 382, 383, 385, 387
  - engineer units controlled by: 221-223. *See also* Troop units, division of control among commands.
  - equipment development: 465-66, 467, 470, 476, 492
  - officers commissioned from civil life: 157
  - percentage of engineer troops in: 238
  - personnel distribution: 153, 161, 174, 350, 351, 366
  - training
    - center system for AGF nondivisional units: 340, 343-44
    - engineer units controlled by: 579
    - heavy shop companies: 288
    - Negroes: 310, 312
    - officer schooling: 282
    - realism in: 255
    - replacement training capacities, input and output: 259-60
    - replacement training programs: 169-70, 250, 263
    - specialist: 242-43, 244, 250, 252, 262-63
    - supervision of centers: 266-67, 268, 277, 278, 279, 292, 296-97, 303, 304, 305, 305n, 432
    - unit training programs: 281, 293
  - troop organization
    - construction units: 234, 235, 236, 237
    - group system: 231, 232
    - maintenance units: 570
    - petroleum distribution units: 427, 431
  - supply: 574, 576
    - administrative organization: 177, 178, 510, 521-22, 553, 561
    - Army Supply Program: 179, 193-95, 519, 544-45
    - catalogs: 557
    - Army Service Forces (Services of Supply)—Con. supply—Continued
      - Class IV supplies: 501, 502-04, 505, 507
      - construction machinery: 191, 192, 210
      - Controlled Materials Plan: 512, 513, 514
      - criticism of engineer operations: 545, 556, 557, 558
      - depot operations: 532, 536, 537, 543, 556, 557, 566, 568
      - engines: 191, 516, 519, 520
      - international aid: 183, 184, 186, 195, 196, 499
      - mines for training: 255
      - port repair ships: 400, 401, 402, 403-04, 407, 408-09
      - priorities: 189
      - Production Requirements Plan: 199
      - replacement factors: 193-95, 500, 523
      - Supply Control System: 544, 545, 558, 559
      - vehicles for training: 284
- Army Service Forces Training Centers: 293, 296, 313. *See also* Engineer Unit Training Centers, Camp Ellis.
- Army Specialized Training Program: 253
- Army Supply Program: 515, 537
  - Class IV requirements in: 180, 503, 504, 505
  - and Controlled Materials Plan: 513, 514
  - international aid in: 183, 184, 500
  - make-up and uses: 179-180, 540
  - mines for training: 347
  - 1942: 193-94, 198
  - 1943: 498-99, 500, 507, 517, 518, 523, 525
  - 1944: 519, 544, 545, 546
- Army War College: 419
- Arnold, Gen. Henry H.: 58-59, 60, 61, 326, 332, 335
- Arnold, Col. Richard R.: 68, 69, 74, 81, 84, 86
- Asiatic Petroleum Co.: 421
- Assault Vehicles Royal Engineers (AVRE's): 482
- Assistant Chiefs of Engineers: 4-5, 132, 134, 217, 219. *See also* Fowler, Brig. Gen. Raymond F.; Kingman, Brig. Gen. John J.; Kuldell, Brig. Gen. Rudolph C.; Robins, Maj. Gen. Thomas M.; Sturdevant, Maj. Gen. Clarence L.; Worsham, Brig. Gen. Ludson D.
- Assistant Secretary of War. *See* Patterson, Robert P.
- Assistant Secretary of War, Office of. *See also* Under Secretary of War, Office of.
  - procurement planning: 88, 89, 91
  - procurement regulations: 96, 97, 98
- Associated Equipment Distributors of Washington, D. C.: 287
- Astrella, Maj. Theodore F.: 348
- Atlanta ASF Depot: 538, 543
- Atlanta District: 509
- Atlantic Fleet Amphibious Force: 376, 378, 379
- Atlantic Refining Co.: 426

- Atlas Powder Co.: 469  
 Aunt Jemima: 476  
 Australia: 1, 197, 380, 381, 382, 383, 384  
 Australian Purchasing Commission: 381  
*Aviation Engineer Notes*: 322, 330  
 Aviation units  
   battalions: 237, 239  
     activations: 314, 319  
     in maneuvers: 129  
     officers commissioned from civil life: 156  
     organization, equipment, and functions: 25, 140, 236  
     personnel cuts and inactivations: 237, 331–33  
     training estimate, 1943: 324  
     in 1942 troop basis: 144  
   classification and control of: 25–26, 222, 234–35  
   companies, maintenance: 570, 571  
   expansion: 115  
   specialists. *See under* Specialists.  
   training. *See* Unit training, AAF; Unit training, before Pearl Harbor; and *under* Basic training.  
   regiments: 62, 140  
     officers: 120  
     organization, equipment, and functions: 18, 24–25, 56  
   training regiments: 319–20  
 AVRE's (Assault Vehicles Royal Engineers): 482  
  
 Bagley, Lt. Col. James W.: 65, 70  
 Bailey, Sr. Donald Coleman: 50  
 Baker, Col. William C., Jr.: 28, 33, 41, 44, 45, 48, 62, 423  
 Ball, Col. Clinton W.: 312, 313  
 Baltimore District: 509  
 Banfill, Brig. Gen. Charles Y.: 59, 60, 69, 75, 76  
 Bangalore torpedo: 173, 468–69, 470  
 Barbey, Capt. Daniel E.: 379, 382, 382n  
 Barclay, Col. James M.: 568  
 Barrage Balloon Training Center: 464  
 Barrage balloons: 204, 464, 517, 518  
 Bart Laboratories, Belleville, N. J.: 91  
*Barth*: 414  
 Base depot companies: 229, 298, 307  
 Base equipment companies: 229, 235, 277, 307.  
   *See also* Equipment companies; Light equipment companies.  
 Base shop battalions: 222  
 Basic training  
   AGF nondivisional units: 340, 341, 343, 353  
   amphibious units: 366–67, 368, 372, 385, 389, 390  
   of aviation engineers: 161, 315, 316, 317–19, 322, 323, 324, 325–27, 334, 335  
   for officers: 282  
   petroleum distribution units: 430, 433  
  
 Basic training—Continued  
   port reconstruction units: 395, 397, 400, 402, 405, 407, 412, 413, 414  
   of replacements: 125, 160, 161, 162, 163, 164, 165–71, 174, 243, 247–48, 250, 252, 253, 259, 262, 264, 268  
   by units: 125, 160–61, 273, 274, 275, 276, 280, 281, 286, 287, 289, 290, 294, 295, 303, 308, 313  
 Baton Rouge ASF Depot: 543  
 Battalion-group system. *See* Group system of organization.  
 Battle maps. *See* Field Artillery, mapping; Maps, coverage and scale.  
 Bausch and Lomb Optical Co.: 66, 71  
 Beach Erosion Board: 439, 440, 450, 459  
 Beach obstacle clearance: 464, 472–73, 475, 481  
 Beauchamp, Lt. Col. Stonewall J.: 536, 537, 554, 555, 556, 564, 566  
 Becker, 2d Lt. Carl D.: 419  
 Belvoir. *See* Fort Belvoir, Va.  
 Benson Project: 449, 457  
 Berlin, Edson W.: 425, 427, 428, 429, 431  
 Bessell, Brig. Gen. William W., Jr.: 117, 122, 146, 147, 156, 157, 340  
 Besson, Brig. Gen. Frank S., Jr.: 42, 47, 49, 51, 60, 61, 197, 423–24, 483, 485–86, 492  
 Besson, Col. Frank S., Sr.: 253, 258–59  
 Beverly, Lt. Col. Grant E.: 475  
 Blitzkrieg: 18, 19–21, 22, 23, 28, 37, 76, 355, 573  
 Blood, Brigadier W. E. R.: 187, 188, 196, 197, 198, 500, 501  
 Board of Engineers for Rivers and Harbors: 439, 440, 450  
 Boats: 42, 48, 52, 93, 99, 201, 204, 486, 525. *See also* Pneumatic floats.  
 Bogardus, Maj. Frederick J.: 484  
 BOLERO: 427. *See also* Great Britain, build-up in.  
 Bolling, Maj. Gen. Alexander R.: 344, 349, 350  
 Bolling Field: 82  
 Bonneville Dam: 5  
 Bostick, Lt. Col. Sidney F.: 541  
 Bowley, Maj. Gen. Albert J.: 70  
 Bowman, Brig. Gen. Frank O.: 486  
 Bradley, Maj. Gen. Follett: 331  
 Bradley, Gen. Omar N.: 482, 573  
 Bradley Plan: 331–32  
 Bridge company, armored battalion: 24, 45, 52–53, 138, 224. *See also* Treadway bridge companies.  
 Bridges  
   Bailey: 496, 497, 575  
     adoption of: 485–86, 490, 493–94  
     deliveries, 1944: 549–51  
     description: 50–51  
     lack of interchangeability with British: 549–51

## Bridges—Continued

## Bailey—Continued

modifications: 491, 493, 495

training in erection of: 172-73, 285, 307

design criteria: 37

footbridges: 52

H-10 fixed: 39, 40, 42, 43, 44, 45, 49-50, 51, 486, 490, 491, 494, 495, 549

H-20 fixed: 39, 40, 44, 45, 49-50, 51, 486, 490, 491, 494, 549

infantry support: 49, 486

M-3 pneumatic ponton: 491, 494

M-4 division-army: 494-96, 497

procurement of: 93, 97, 98, 99, 106, 108, 201, 204, 525, 549

steel treadway: 63, 494, 496, 497, 525, 575

accidents on: 486-89

development and tests: 42-49, 52, 483

procurement of: 493, 549

redesign of: 490n, 491, 492-93, 494

truck for: 483-84

testing site: 464

trestle: 39, 44, 45, 47

5-ton ponton: 42

7½-ton ponton: 38

10-ton ponton: 38-39, 41, 44, 45, 46, 141, 486

23-ton ponton: 41

25-ton ponton: 41-42, 44, 45, 49, 483, 484-85, 486, 489, 491, 494, 494n, 495, 496

## Bridging

increase due to motorization and mechanization: 14

in theaters of operation: 1, 306, 496

1941 maneuvers: 130-31

British Army: 14, 18, 54, 77, 357, 368

British Army Staff: 184, 186, 424

Chief Engineer of. *See* Blood, Brigadier W. E. R.

British Combined Operations Staff: 378

British Navy: 368

British Survey Directorates: 456

British War Office: 424

Brooklyn General Depot: 532

Brotherton, Col. William W.: 397

Brown, Col. Edward A., Jr.: 305n

Bucyrus-Erie Co.: 98

Buda Co.: 516, 519

Bulldozer: 30-33. *See also* Construction machinery; Tank dozer.

Burdick, Col. Roy D.: 566, 567, 568

Bureau of Standards: 27

Burma Road: 421, 422, 423

Burrage, Col. Robert H.: 502

Byron-Jackson Co.: 426

Cadres: 112, 116, 161. *See also* Instructors and administrative staffs.

AGF units: 339, 340, 349

dredge crews: 412

## Cadres—Continued

Engineer Replacement Training Centers: 119n, 260, 261, 264

general and special service regiments: 272, 275

Negro units: 118-19

Camouflage: 58, 81-87, 129, 204, 455, 464

Camouflage battalions and companies: 11, 26, 222

Camouflage materials, procurement of: 88, 204

Camp Abbot, Ore.: 257-59

Camp Carson, Colo.: 341

Camp Edwards, Mass.: 360, 361, 364, 367, 376, 379, 385, 389, 427

Camp Gordon Johnston, Fla.: 389, 397-98

Camp Hale, Colo.: 464

Camp Maxey, Texas: 345

Camp Pontchartrain, La.: 434

Camp Roberts, Cal.: 349

Camp Robinson, Ark.: 128, 349

Camp Shelby, Miss.: 341

Camp Sutton, N. C. *See* Engineer Unit Training Centers, Camp Sutton, N. C.

Camp Swift, Texas: 345

Camp Tyson, Tenn.: 464

Camp Young, Cal.: 464

Canada: 143, 470

Canadian Army Technical Development Board: 476

Canan, Col. Howard V.: 72, 73

Caples, Col. W. Goff: 70

Carnegie-Illinois Steel Corp.: 58

Carnegie Institute: 81

Carrabelle, Fla.: 360, 364, 376, 379

Casablanca conference: 502

Catalogs. *See* Supplies, nomenclature and numbers.

Caterpillar Tractor Co.: 32, 180, 190, 191-92, 212, 245, 246, 287, 476

Cavalry: 3, 17, 75, 117

Cavalry division, engineer component of. *See* Squadron, cavalry division.Cavalry, mechanized. *See* Armored forces.

Cavalry unit, 7th Cavalry Brigade (Mechanized): 17

Cellular organization: 229-30, 233, 235, 454-55, 456

GENSTOCK: 554-55, 557, 558

Central Pacific theater of operations: 237-38

Central Planning (Section) Branch, OCE: 512, 514

Chaffee, Brig. Gen. Adna R.: 17

Chemical Warfare Service: 117, 241, 318

Cherbourg: 391, 416

Chesapeake and Ohio Canal: 2

Chicago District: 177, 178, 191, 509, 520, 521

Chicago Drainage Canal: 30

Chicago Ordnance District: 549

Chief Engineer, AEF: 65

Chief of Engineers. *See also* Reybold, Lt. Gen. Eugene; Schley, Maj. Gen. Julian L.

and bridging: 39

duties: 4, 221

## Chief of Engineers—Continued

- and international aid: 196, 197
- and landing mat: 57
- and recruitment by voluntary enlistment: 294
- on spare parts supply overseas: 572
- troop organization: 12, 17, 235, 237
- Chief of Staff: 4, 12, 122. *See also* Craig, Gen. Malin; Marshall, Gen. George C.
- and ASF: 219
- on engineer expansion: 115–16
- on engineer supplies: 93
- on replacement training program: 162
- testimony on appropriations: 94
- China: 1
  - international aid to: 100, 102
  - petroleum pipelines: 420–23, 425
  - strategic studies of: 438
- China-Burma-India theater of operations
  - dredges for: 413
  - maintenance of equipment: 571, 572
  - petroleum distribution units for: 432, 433–34, 436
  - roadbuilding: 1, 143, 549
- China Defense Supplies, Inc.: 421, 422
- Chorpening, Col. Claude H.: 28, 29, 48, 49, 51, 56, 175, 187, 190, 194, 423
- Chris-Craft Corp.: 381
- Christiansen, Maj. Gen. James G.: 226, 228
- Churchill, Winston S.: 182, 469
- Chrysler Corp.: 520, 521, 525, 547, 549, 562
- Cincinnati District: 509
- Civil Affairs and Military Government: 440
- Civil War: 2, 36, 38
- Civil works: 2, 3, 4, 5, 8, 9, 97, 120, 121, 135, 221, 401, 411, 509, 521, 575
- Civil Works Division, OCE: 4, 5, 7, 8
- Civilian personnel. *See* Personnel, civilian.
- Civilian Personnel Branch, OCE: 132
- Claiborne-Polk Military Railroad: 275
- Clarke, Brig. Gen. Bruce C.: 44, 45, 52, 487–88
- Class II supplies.
  - in catalogs: 533
  - construction machinery: 33, 34
  - definition of: 31
  - priorities for production: 189
  - priorities in shipping: 194
  - reductions in allowances: 193
  - requirements for: 94, 175
- Class IV Requirements Board: 501
- Class IV supplies: 236
  - in catalogs: 533
  - construction machinery: 33, 34
  - definition of: 31
  - priorities for production: 189–90
  - priorities in shipping: 194
  - procurement
    - before Pearl Harbor: 94–95, 104, 105–07
    - purchase by requisition: 198–99, 530

## Class IV supplies—Continued

- requirements for. *See* Requirements for supplies, Class IV supplies.
- Claterbos, Col. Louis.: 13, 43, 120
- Clay, Lt. Gen. Lucius D.: 186, 187, 188, 189, 190, 193, 195, 210, 211, 424, 470–71, 492, 519, 522, 523, 524, 544
- Cleveland Tractor Co.: 32, 180, 190
- Coast Artillery Corps: 117, 204, 368
- Coast Guard: 364, 406
- Cobb, James A.: 475
- Coe, Col. Edward H.: 259
- Coe, Miller L.: 475
- Collins, Maj. Michael: 444
- Columbus ASF Depot: 209, 211, 212, 213, 227, 321, 532, 536, 543, 560, 561, 563–70, 563n
- Combat battalions: 254
  - corps
    - number of: 239, 351
    - organization and functions: 139, 225–26, 231, 232
    - overseas activities: 353
    - training. *See* Unit training, AGF, nondivisional units.
  - divisional
    - classification and control of: 222
    - number of, June 1945: 239
    - organization, equipment and functions: 12, 14–15, 16, 22–23, 34, 136–37, 138, 139, 224, 362–63
    - training. *See* Unit training, AGF, combat battalions, divisional; Unit training, before Pearl Harbor.
- Combat regiments
  - corps
    - classification and control of: 222
    - Negroes in: 119
    - officers for: 120
    - organization, equipment and functions: 16, 24, 34, 68, 138, 139, 225
    - training. *See* Unit training, before Pearl Harbor.
  - divisional: 11, 12, 23, 112
- Combat teams: 20, 22, 136, 138
- Combined Chiefs of Staff: 183, 184, 186, 403, 450, 501
- Command and General Staff School: 111, 159
- Components. *See* Engines and other components.
- Congress: 2, 443, 444
- Congressional committees: 8
  - House Appropriations: 93, 136
  - Special Committee Investigating the National Defense Program: 568
- Construction battalions: 234, 235, 236–37, 238, 239, 307, 308–09, 310, 578

- Construction Division, OCE: 132. *See also* Military construction program.  
 construction machinery: 182, 210–11, 316, 523, 524  
 projects for aviation battalions: 323, 324  
 transfer of officers to troop duty: 147–48
- Construction industry: 3, 282, 575
- Construction machinery  
 adoption of: 29–34, 56, 62–63, 575. *See also* Enlisted men, mechanical skills required.  
 allowances: 30–31, 34, 139, 193  
 armor for: 470–71, 475–76, 575  
 bantam: 316  
 control over distribution of: 182, 186, 187, 188, 190, 192, 576  
 procurement: 88, 89, 93, 98, 99, 106, 182, 190–92, 204, 512, 513, 518–21, 575–76  
   deliveries: 100, 106–07, 199, 201, 525, 547  
   percentage of program: 180  
 road-building set: 35n  
 use in bridge building: 37, 40, 41, 43, 45, 46–47, 48, 496  
 used: 180, 210–11, 248–49, 284, 320–21, 523–24, 547
- Construction machinery industry: 180. *See also specific companies by name.*
- Construction Methods: 29
- Construction program. *See* Military construction program.
- Construction regiment, proposed: 232, 233, 234, 236
- Construction (Fortifications) Section, OCE: 7, 57, 62, 104
- Construction specialist company, proposed: 234
- Construction units  
 reorganization and conversion of: 231–38, 308–10  
 types and numbers, June 1945: 238
- Contracts. *See* Procurement (Branch) Division, OCE, contracting; Procurement of Supplies, contracts.
- Contracts and Claims Branch, OCE: 132
- Control Branch, OCE: 216
- Controlled Materials Plan: 500, 507, 510, 511–15
- Cook, Lt. Col. Coleman P.: 533, 538
- Corps Area Engineers: 114
- Corps of Chaplains: 157
- Corps of Engineers. *See* Engineers, Corps of.
- Couse Laboratories, Inc.: 206
- Cowley, Col. W. Eugene: 47, 48, 49, 484, 493
- Craig, Gen. Malin: 12
- Crawford, Brig. Gen. Roscoe C.: 150–51, 159, 490
- Critical Items List: 102
- Cross-Channel attack. *See also* Normandy landings and breakthrough.  
 mapping requirements: 449  
 obstacle clearing devices: 472
- Cross-Channel attack—Continued  
 plans for Army amphibious training: 358, 359, 360, 361, 364, 371, 372, 376, 378  
 plans for port reconstruction: 392, 400  
 spare parts requirements: 568  
 1942 agreements on activation and training plans for: 340
- Crowden, Col. James P.: 520
- Dalton, Maj. Gen. Joseph N.: 157
- Dau, Col. Frederick J.: 71, 448
- Davis, Col. Ellsworth I.: 315
- Davis, Lt. Col. Eugene L.: 286, 287
- Davis, Capt. Warren S.: 195, 523
- Davis-Monthan Field, Ariz.: 320
- Davison: 414, 415
- Davison, Brig. Gen. Donald A.: 25, 56, 58, 60, 330, 392
- Dawson, Col. Miles M.: 175, 183, 196, 197, 198, 532–33, 536, 537, 539, 554, 555n, 564, 565
- Day, Herbert O.: 484
- Daybrook Hydraulic Corp.: 484
- Defense Plant Corp.: 203
- Demolitions: 468–69
- Denman, Morris S.: 175
- Depot companies: 11, 15, 26, 35, 36, 115, 221, 222, 229, 231, 564, 570
- Depot group headquarters: 231
- Depot group headquarters and headquarters companies: 227
- Depot Operating Procedure Manual: 536
- Depots. *See also specific depots*; Personnel, civilian, depots; Supplies, distribution of.  
 functions and facilities: 530, 532, 536, 538, 565  
 procedures: 536–38  
 requisitions, tonnage, and line items handled: 536, 541, 543, 555–56, 557  
 stock control: 537, 538, 540, 555
- Deputy Chief of Engineers. *See* Robins, Maj. Gen. Thomas M.
- Desert Warfare Board: 470, 478
- Desert Warfare Training Center: 322, 347, 348, 429, 464, 471
- Detroit Diesel Division, General Motors Corp.: 516
- Detroit District: 520
- Development Branch, OCE. *See also* Besson, Brig. Gen. Frank S., Jr.; Chorpeneing, Col. Claude H.; Engineering and Development Division, OCE.  
 air compressors: 33–34  
 Class IV supplies: 501  
 equipment specifications: 98  
 equipment standardization: 208  
 functions and staff: 27, 28  
 petroleum pipeline test: 423  
 port repair ships: 401  
 Dieppe raid: 472

- Distribution factors: 179, 180, 193-95  
 District Engineers. *See* District offices.  
 District offices: 5, 234. *See also* districts by name.  
     procurement activities. *See also* Procurement  
     of supplies, administrative organization.  
     Controlled Materials Plan: 512, 514  
     engines and other components: 515-16  
     Production Requirements Plan: 199  
     spare parts: 561-62, 569  
     projects for aviation battalions: 323  
     recruitment of dredge crews: 412  
     recruitment of officers commissioned from civil  
     life: 156, 157, 272, 281  
     Reserve officer training: 114-15  
     transfer of officers to troop duty: 147, 148  
 Division Engineers. *See* Division offices.  
 Division offices: 5  
     procurement activities. *See* procurement of sup-  
     plies, administrative organization.  
     projects for aviation battalions: 323, 324  
     recruitment of officers commissioned from civil  
     life: 156, 281  
     recruitment of specialists: 282  
     supervision of depot activities: 554  
     transfer of officers to troop duty: 147  
     used construction machinery: 524  
 Doll, J. G.: 477  
 Draft: *See* Selective Service Act.  
 Dredges: 392, 411-16  
 DUKW: 375-76  
 Dump truck companies: 11, 26, 35, 115, 118,  
     119-20, 222, 238, 270. *See also* Unit train-  
     ing, ASF; Engineer Unit Training Centers,  
     Camp Ellis; Engineer Unit Training Centers,  
     Camp Sutton.  
 Du Pont, E. I. De Nemours & Co., Inc.: 469  
  
 Eastman Kodak Co.: 74  
 Edwards, Maj. Gen. Idwal H.: 377  
 Eglin Field, Fla.: 319, 320, 322  
 Eisenhower, Gen. Dwight D.: 372, 378, 392, 393,  
     400, 402, 451, 468, 475  
 Eister, Lt. Col. William D.: 320, 321  
 Eklund, Col. Karl F.: 35, 470, 471, 473-74  
 Elder, John: 424, 428, 429  
 Electric accounting machines. *See* IBM systems.  
 Electric lighting equipment: 108, 204  
 Emery: 403, 407  
 Emmons, Lt. Gen. Delos C.: 18  
 Engineer Advance Planning Committee: 501  
 Engineer Amphibian Command: 298, 427, 472.  
     *See also* Amphibious training, Engineer Am-  
     phibian Command.  
 Engineer armored vehicle: 475, 481, 481n  
 Engineer Aviation Unit Training Centers: 314,  
     320, 324, 334-35. *See also* Unit training,  
     AAF, center system.  
 Engineer Board: 7, 15  
     administration and functions: 8, 13, 27, 28-29,  
     464-66  
     barrage balloons: 204  
     bridging: 38, 39, 41, 42, 44, 45, 46, 47, 48, 49,  
     483, 484, 486, 487, 490, 492, 494, 495, 497  
     camouflage: 81-82, 83, 84, 85, 86  
     clearance of mines and other obstacles: 53-54,  
     468-70, 471, 475, 477, 479, 480  
     combat battalions, divisional: 23  
     construction machinery: 30, 31, 32, 33, 316,  
     475-76  
     engineer armored vehicle: 481  
     evaluation of activities: 574-75  
     executive officer. *See* Baker, Col. William C.,  
     Jr.; Young, Capt. James M.  
     forestry companies: 142  
     landing mat: 58, 59, 60, 61-62, 467  
     mapping equipment: 66, 69, 73, 74, 448  
     mobile repair shops: 206  
     petroleum distribution: 423, 424, 428, 429, 432  
     port repair ships: 401  
     searchlight mirror plant: 91  
     supply and maintenance units: 35-36, 227, 228  
     water supply equipment: 141, 467  
 Engineer Central Stock Control Agency: 554-55,  
     557, 558  
 Engineer Department: 5, 147, 411. *See also*  
     District offices; Division offices.  
 Engineer Field Depot Office: 536, 540, 554, 555,  
     564  
 Engineer Field Maintenance Office: 287, 561, 567,  
     569  
 Engineer Officer Candidate School. *See* Officer  
     Candidate School.  
 Engineer Officer Replacement Pool: 536  
 Engineer Replacement Training Centers: 116, 119,  
     120, 132, 158. *See also* Instructors and ad-  
     ministrative staffs, Engineer Replacement  
     Training Centers; Replacement training;  
     Specialists, training, at Engineer Replacement  
     Training Centers.  
 Camp Abbot: 257-59  
 capacities, input, and output: 119n, 161, 166,  
     174, 242, 249, 257, 260, 261, 269, 314-15,  
     350-51  
 conversion to Army Service Forces Training  
     Centers: 313  
 evaluation: 268-69  
 Fort Belvoir: 161  
 Fort Leonard Wood: 158, 161-62  
 instructors for EAC: 368  
 instructors for unit training centers: 272, 273,  
     286, 298, 307  
 OCS quotas: 150, 152  
 Engineer Reproduction Plant: 7, 66, 74, 78, 79,  
     132, 441-42



Engineer Research Office: 439-40, 450, 457, 459, 462

Engineer School: 7, 8, 13, 15, 109, 110, 122, 132, 304. *See also* Officer Candidate School; Research courses.

equipment development: 28

    beach obstacle clearance: 475, 481

    camouflage: 82

training

    curriculum, faculty, and output: 111, 113, 114, 120, 124-25, 158-60

    mine warfare traveling detachment: 347-48

    specialist: 116, 241, 242, 243, 244, 245, 246, 262, 263

    unit: 125, 307

troop organization

    bridge company, armored battalion: 52

    combat battalion, divisional: 23, 137

    engineer component of Army corps: 24

    pontoon units: 141

    reduction in types of general units: 138-39

Engineer Unit Training Centers. *See also* Instructors and administrative staffs, Engineer Unit Training Centers; Specialists, training, at unit training centers; Unit training, ASF.

Camp Claiborne, La.: 293, 294, 298, 316, 394, 538, 539

    absorption of specialist candidates into units: 251-52

    administrative organization: 278, 279, 292

    conversion to Army Service Forces Training Center: 293

    description: 270-72, 280

    output: 277, 278, 291, 296

    proposed training of port repair ship crews: 400

    reception of voluntarily enlisted specialists for AGF: 349

    training of AGF supply and maintenance units: 343

    training of dredge crews: 413

    training of officers: 159, 282, 295

Camp Ellis, Ill.: 277, 293, 295, 296-306, 313

Camp Sutton, N. C.: 277, 293, 296, 306-13

evaluation and output: 313

Engineer units

    Battalions

        1st Engineer Combat: 112

        4th Engineer Combat: 112, 125

        6th Engineer Combat: 112

        12th Engineer Combat: 125, 126

        15th Engineer Combat: 126

        16th Engineer Armored: 44, 47

        17th Engineer Armored: 49, 126

        22d Engineer Armored: 486

        24th Engineer Armored: 487, 488

        29th Engineer Topographic (Army): 70

## Engineer units—Continued

## Battalions—Continued

30th Engineer Topographic (GHQ): 78, 449

85th Engineer Heavy Ponton: 128

87th Engineer Heavy Ponton: 49, 368

89th Engineer Heavy Ponton: 128

90th Engineer Heavy Ponton: 128

97th Engineer Separate: 127

286th Engineer Combat: 351-52

405th Engineer Water Supply: 226

411th Engineer Base Shop: 381, 382, 383, 384, 385

692d Engineer Base Shop: 389

803d Engineer Aviation: 127

809th Engineer Aviation: 127

821st Engineer Aviation: 323

833d Engineer Aviation: 314-15

835th Engineer Aviation: 322, 323

850th Engineer Aviation: 322, 323

857th Engineer Aviation: 322

871st Engineer Airborne (experimental): 316

1272d Engineer Combat: 352

1696th Engineer Combat: 352

## Brigades

1st Engineer Amphibian: 365, 368, 369, 370, 371, 372, 389, 390,

2d Engineer Amphibian: 372, 373, 376, 379, 382, 383, 384, 388, 390

3d Engineer Amphibian: 370, 372, 376, 379, 382, 385, 386, 388, 390

4th Engineer Amphibian: 385, 386, 388, 389

5th Special: 390

6th Special: 390

## Companies

32d Engineer Combat (Separate): 104

56th Engineer Shop: 35

70th Engineer Light Ponton: 39, 52, 112

73d Engineer Light Ponton: 128

## Detachments

Engineer School: 111, 118

Wright Field: 65, 66, 71, 447, 448

## Groups

1051st Engineer Port Construction and Repair: 416

1104th Engineer Combat: 345

1114th Engineer Combat: 345

1118th Engineer Combat: 345

## Regiments

1st Engineer Combat: 112

3d Engineer Combat: 127

5th Engineer Combat: 32, 39, 40

18th Engineer Combat: 104, 112

19th Engineer Combat: 125

21st Engineer Aviation: 56, 58, 60, 62, 129, 315, 420

## Engineer units—Continued

## Regiments—Continued

- 21st Engineer General Service: 112
- 31st Engineer Combat: 345
- 35th Engineer Combat: 297
- 36th Engineer Combat: 342
- 37th Engineer Combat: 368
- 39th Engineer Combat: 342
- 40th Engineer Combat: 342
- 41st Engineer General Service: 118–19, 126–27, 297
- 43d Engineer General Service: 117
- 131st Engineer Combat: 342
- 132d Engineer Combat: 345
- 133d Engineer Combat: 342, 345
- 361st Engineer General (Special) Service: 295, 298
- 532d Engineer Shore: 342, 373
- 924th Engineer Aviation: 320
- 1301st Engineer General Service: 301, 302, 305–06
- 1303d Engineer General Service: 305–06
- 1306th Engineer General Service: 305–06
- 1317th Engineer General Service: 303

## Troops

- 47th Engineer Mechanized: 17

Engineering and Development Division, OCE: 217, 466, 467, 495

Engineering Section, OCE: 62

Engineering Societies Library: 439

Engineers, Corps of. *See also* Mission; Office of the Chief of Engineers; Strength.

## administration

and reorganization of War Department: 135, 136, 219–21, 574

before 1942: 4–5, 7–8

historical sketch: 1–4

modernization: 27, 36

summary and evaluation: 134–35, 216, 579–80

Engines and other components: 191, 511, 514, 515–17, 518–21, 546, 547, 549, 562, 563

Enlisted men. *See also* Army General Classification Test; Cadres; Fillers; Specialists; Strength.

classification and assignment: 116, 117–18, 295–96, 318

handicapped: 163, 165–66, 299

mechanical skills required: 109, 119, 139, 140, 231, 232–33, 239–40, 247, 576–77

rotation of: 267

summary and evaluation: 576–77

training and experience in peacetime: 110, 111

Ensign-Bickford Co.: 469

## Equipment

commercial nature of: 27, 89, 96

computation of requirements for. *See* Requirements for supplies.

## Equipment—Continued

development of: 7, 8. *See also specific items of equipment.*

agencies involved in: 27–29

curtailment of program: 464–66

summary and evaluation: 29, 62–63, 496–97, 573–75

maintenance of. *See* Maintenance of equipment. operational. *See* Class IV supplies.

organizational. *See* Class II supplies.

procurement of. *See* Procurement of supplies.

standardization of. *See* Maintenance of equipment, standardization.

for training: 92–93, 100, 105, 108, 112, 163, 170–71, 172–73, 254–55, 264, 274–75, 276–77, 284–85, 293, 305, 307, 308, 309, 316–17, 320–21, 341, 347, 348, 353, 395, 397, 432. *See also* Construction machinery, used.

weight of: 31, 32, 33, 63, 574. *See also* Tanks, weight and width of.

Equipment companies: 35, 222, 229, 231. *See also* Base equipment companies; Light equipment companies.

Esgate, E. E.: 142

Eugene Dietzgen Co.: 203, 518

European Theater of Operations. *See also* Cross-Channel attack.

amphibian brigades: 372, 390

armored construction machinery: 476

aviation units: 234–35

bridging: 306, 485–86, 490, 494, 496, 551

combat battalions, nondivisional: 353

comments on officers: 160

forestry companies: 290–91

general service regiments: 234–35, 305–06

maintenance of equipment: 214, 571, 572

map supply and strategic intelligence: 438, 449–50, 451, 452–53, 457–59. *See also* France, map supply and strategic intelligence.

mine field clearance: 480

monthly reports: 502

organization of construction units in: 238

petroleum distribution: 424, 427, 434, 436

port reconstruction: 391, 392, 398–99, 402, 406, 407, 410, 411, 412–13, 415, 416

supplies: 214–15, 504, 506, 507, 572

training recommendations: 397

Evinrude Motor Co.: 244

## Facilities

equipment development: 28, 29, 464

## industrial

allocation: 88, 89, 91, 92, 97, 98, 99

conversion: 180–81

expansion: 91, 96, 182, 191, 203, 516, 519, 523, 524, 525, 547

map compilation and reproduction: 442

storage. *See* Depots.

## Facilities—Continued

- training: 128, 166, 170, 242, 243, 274, 275, 276–77, 293, 296, 302–03, 306, 307–08, 313. *See also specific camps and centers.*
- Factory schools. *See* Trade schools.
- Fairchild Aerial Surveys: 456
- Fairchild Aviation Corp.: 71
- Falmouth Marine Railway: 364
- Farrell: 403, 407
- Federal Standard Stock Catalog Classification: 539
- Federation of Paint, Varnish, and Lacquer Production Clubs: 83
- Ferguson, Glenn D.: 484
- Ferries. *See* Rafts and ferries.
- Field armies
  - bridging for: 39, 49
  - engineer component of: 139. *See also* Group system of organization.
  - supply and maintenance units for: 35–36
- Field Artillery: 20
  - camouflage: 85–86
  - comment on engineer combat mission: 21–22
  - Engineer Board representative: 29
  - mapping: 64, 66, 69, 71, 72, 75, 76, 80, 447
  - specialists required: 117
- Field exercises: 265–66, 280–81, 293, 294, 322–23, 330
- Field manuals: 11, 22, 70, 72, 73, 76
- Fillers
  - AAF units: 314–15, 318
  - AGF units: 340, 341, 342, 343, 349–50, 351–52, 353
  - construction units
    - Camp Claiborne: 247, 272, 273–74, 275, 283, 284, 292, 294, 295, 296
    - Camp Ellis: 298, 299–300, 303, 304–05
  - heavy shop companies: 287
  - lack of unit training: 166
  - petroleum distribution units: 430, 433
  - port reconstruction units: 394, 395, 400, 403, 407, 410, 412, 413, 414
  - source of: 161, 162, 256
- Finance Department: 117
- Fire fighting detachments: 230
- Fire fighting school: 434
- First Army: 128
- Fiscal Branch, OCE: 132
- Forestry companies: 142, 156, 222, 229, 278, 289–91, 293, 295
- Fort Belvoir, Va.: 7, 8, 27, 28, 36, 47, 48, 161
  - Commanding General. *See* Marks, Brig. Gen. Edwin H.
  - training of dredge crews at: 413, 414
  - training of port repair ship crews at: 407, 410, 411
- Fort Benning, Ga.: 49, 52
- Fort Devens, Mass.: 385, 389
- Fort DuPont, Del.: 412, 413, 414
- Fort Eben-Emael, Belgium: 19–20
- Fort Knox, Ky.: 17, 43, 44, 45, 47, 48, 49
- Fort Lawton, Wash.: 405
- Fort Leonard Wood, Mo.: 128, 158, 161–62
- Fort Lewis, Wash.: 128, 291, 360
- Fort McClellan, Ala.: 349
- Fort Peck Dam, Mont.: 5, 28
- Fort Pierce, Fla.: 464, 473, 474
- Fort Pulaski, Ga.: 402
- Fort Screven, Ga.: 394, 395–96, 397, 402, 403
- Fortifications: 18–19, 20–21, 53
- Fortifications Section, OCE. *See* Construction (Fortifications) Section, OCE.
- Foundary detachments: 277–78
- Four Wheel Drive Auto Co.: 483, 484
- Fourth Air Force: 322
- Fourth Army: 128, 352–53
- Fowler, Brig. Gen. Raymond F.: 134, 217, 554
  - equipment development: 465
  - Negro personnel: 119
  - officers commissioned from civil life: 156
  - petroleum pipelines: 423
  - supply
    - administrative organization for procurement: 509–10
    - Class IV requirements: 500–501, 505
    - construction machinery: 180, 182, 211, 524
    - engines and other components: 515, 519, 520
    - international aid: 183, 186, 196, 197–98, 499
    - material shortages: 191
    - officers for: 536
    - priorities: 189–90
    - procurement program: 517, 519, 544, 545
    - replacement and distribution factors: 194
    - spare parts: 213, 214, 559, 563, 567
    - stock control: 537, 544, 555
  - troop organization
    - combat battalion, divisional: 136
    - general units: 138, 139
    - supply and maintenance units: 227
  - visits to theaters of operations: 502
- France
  - fall of: 18
  - maps and strategic intelligence: 440, 449, 456, 457–59
  - World War I: 2
- Frank, Col. Simon N.: 187
- Franklin Technical Institute of Boston: 246
- French Army: 54, 57, 477
- French Information Center: 459
- French National Geographic Institute: 458
- Funds. *See also* Appropriations.
  - Class IV supplies: 34–35, 95, 104, 105–06
  - equipment development: 28, 29, 30, 39, 47, 57, 58, 464, 574

## Funds—Continued

international aid: 100, 102, 176, 184  
 mapping: 69, 443, 444  
 scarcity of: 5, 17  
 supply and maintenance units: 35, 36

Gallant, Col. Edward B.: 382

Galloway, Col. Gerald E.: 13, 113

Garcia, Maj. Marcelino, Jr.: 393, 399, 400, 401, 402, 403, 404, 406

Garcia and Diaz: 393

Garlington, Brig. Gen. Creswell: 23, 267

Gas generators and gas generating detachments: 230, 466–67

Geiger Field, Wash.: 319, 320, 321, 324, 325, 328, 334, 335

General Electric Co.: 91, 98, 203, 518

General Headquarters Air Force: 4, 18, 25, 57, 60, 61

Engineer. *See* Davison, Brig. Gen. Donald A.

General Headquarters Army: 4, 10, 23, 77, 80, 125, 135

General Motors Corp.: 191, 245

General Scheduling Order M-293: 516, 517, 519

General service battalions: 238

General service regiments: 15, 578

construction in Middle East and United Kingdom: 155, 270

control of: 221, 222, 343

demand for: 115, 144, 145

fillers. *See* Fillers, construction units.

for Negroes: 237–38, 310

Negroes in: 118

number of, June 1945: 238, 239

officers: 120, 123, 272, 273, 281–82, 295

organization, equipment, and functions: 11, 16, 24, 33, 34, 138, 139, 143, 225, 226, 231–37

airfield construction: 18, 62

petroleum distribution: 427

port construction and repair: 391

theater requirements and use: 305–06, 234–35

training. *See* Engineer Unit Training Centers, Camp Ellis, Ill.; Engineer Unit Training Centers, Camp Sutton, N. C.; Unit training, ASF; Unit training, before Pearl Harbor.

General Staff. *See also* Chief of Staff.

camouflage: 82

Deputy Chief of Staff. *See* McNarney, Gen. Joseph T.

engineer combat mission: 20

engineer intelligence: 438, 440

equipment

bridges: 37–38, 51, 491, 492

mine field clearance: 476

petroleum pipeline systems: 420

weight of: 31, 41, 495

mapping: 64, 70, 71, 72–73, 75, 76–77, 81, 441, 444, 449, 451, 452, 453

## General Staff—Continued

personnel

AAF troops for build-up in Britain: 332

distribution: 342, 350, 351

increases and reductions: 25, 115, 252–53, 456

officers: 121, 157

port repair ships: 408

relationships of Engineers with: 13–14, 135, 136, 146, 574

supplies

allowances: 193

Class IV: 95, 104, 105, 501, 502, 503, 504, 505, 506–07, 576

engines: 191

international aid: 183, 184, 187

requirements computation: 94, 176

troop organization and training

AGF nondivisional units: 343

amphibious: 358, 360, 363, 369, 377, 379, 380, 382, 385, 387, 388

aviation engineers: 56

combat battalions, divisional: 14, 15, 16, 23, 137

construction units: 232–33, 235–36

corps units: 16, 139

general service regiments: 140, 145

group system: 232

maintenance units: 36

officers: 114, 151

petroleum distribution units: 427

port construction and repair groups: 393

replacement training: 162, 167

separate battalions: 140

specialist schools: 328

unit training centers: 277, 311

War Department reorganization: 135, 136

General units: 11, 25

reduction in types: 138–40

training program: 125

Geographical Section General Staff, British War

Office: 444, 445, 446, 456

German Army

amphibious doctrine: 357

engineers: 14, 15, 16, 19–20, 24, 43–44, 53

mines and other obstacles: 1, 54, 347, 468, 476–77, 478

offensive in western Europe, 1940. *See* Blitzkrieg.

river crossings: 42, 47, 49, 130–31

tanks: 41

German Navy: 457

German prisoners of war: 307, 313

German *Sixth Army*: 76

Germany, equipment development: 42, 66, 71, 574, 575

Gerr, Stanley: 462

- Godfrey, Brig. Gen. Stuart C.: 13, 19, 334, 337, 338  
 aviation engineers  
   airborne tactics: 315  
   fillers and replacements: 328, 331  
   on inactivation of units: 332-33  
   officers: 156  
   as service troops: 25-26  
   training: 318-19, 322, 325-27, 329-30  
 on Engineer representation in General Staff: 13  
 equipment  
   bridging: 41, 44, 46, 52  
   construction machinery: 34  
   mine detectors: 54, 55  
   petroleum pipeline systems: 420  
   procurement: 93  
   officer qualifications: 123-24  
   river crossing tactics: 37  
 Goerz, Col. Peter P.: 466  
 Goldsmith, Lester M.: 426  
 Gorlinski, Col. Joseph S.: 501, 502  
   on heavy shop company training: 288  
   maintenance units: 570, 571  
   officers for Negro units: 312  
   port reconstruction: 402, 406, 407-08, 410, 416  
   on replacement training program: 261-62  
   specialist training: 244  
 Gowen Field, Idaho: 320  
 Grabau, Capt. B. I.: 383, 385  
 Grades and ratings: 576, 578  
   construction units: 232-33, 236, 237  
   dredge crews: 412  
   voluntarily enlisted specialists: 349-50  
 Granite City Engineer Depot: 263, 536, 538, 539, 543, 555, 560n, 564  
 Grant, Maj. Gen. Ulysses S., III: 36, 152  
 Gravelle, Capt. Gordon: 490  
 Gray, Maj. Roe: 431, 432  
 Gray Marine Motor Co.: 383  
 Great Britain. *See also* British Army; British Navy.  
   build-up in: 1, 144, 213, 331, 541, 543  
   cross-Channel attack: 360, 364  
   equipment development: 575  
     armored vehicles: 470, 472, 481, 482  
     bangalore torpedo: 468  
     barrage balloons: 204  
     bridging: 39, 50, 51  
     camouflage: 86  
     landing mat: 57  
     pipeline couplings: 418  
   equipment maintenance: 571  
   international aid to: 100, 102, 176, 182-83, 184, 186-88, 196-97, 198, 499, 501  
   map supply. *See* Map supply, division of responsibility with Great Britain.  
   military observers in: 25, 28, 51, 472, 485, 486  
   petroleum pipeline tests: 428  
   Great Britain—Continued  
     port reconstruction: 392, 401, 403  
     training of engineer troops in: 172  
 Great Lakes Division: 509, 521, 522, 547  
 Grefe, Maj. Richard F.: 321  
 Greulich, Gerald G.: 58, 60, 61  
 Gridley, Col. Richard: 2  
 Griswold: 403, 407, 408, 409  
 Ground Engineer. *See* Hughes, Col. John B.  
 Group system of organization: 225, 227, 230-32, 234, 235-36, 345-46, 354, 416, 577-78. *See also* Port reconstruction, port construction and repair group.  
 Guston-Bacon Co.: 425  
 Hains: 411, 415  
 Hall, Col. James G.: 453  
 Hammer Field, Cal.: 322  
 Handy, Gen. Thomas T.: 377  
 Hanley, Maj. Gen. Thomas J., Jr.: 451-52  
 Hanlon-Waters, Inc.: 423  
 Hanson Clutch and Machinery Co.: 103  
 Harding: 411  
 Harding, Col. Chester K.: 41  
 Harris-Seybold-Potter Co.: 75  
 Harrison, Col. Raymond L.: 209, 561  
 Harrison Equipment Co.: 209  
 Harvard University: 373  
 Hassinger, Lt. Col. John H.: 186, 190, 191, 192, 199, 210, 212  
 Hays, 1st Lt. George M.: 470  
 Hazeltine Service Corp.: 54  
 Heavy ponton battalions: 26  
   classification and control of: 222  
   organization and functions: 11, 51-52, 141, 226  
   training: 128, 345  
 Heavy shop companies: 229, 570, 571  
   control of: 222  
   organization and functions: 207-08, 286  
   personnel and training: 277, 286-88, 295  
 Hedden Metal Locators, Inc.: 54  
 Heileman, Maj. Gen. Frank A.: 233  
 Hercules Motors Corp.: 516, 519  
 Herrington, Col. Russel McK.: 70, 72  
 Hertford, Brig. Gen. Kenner F.: 13  
 Hewitt, Rear Admiral Henry K.: 376, 377, 378  
 Higgins, Andrew J.: 356  
 Higgins Industries, Inc.: 367, 380, 381, 383, 385  
 Hiller, Maj. Maurice L.: 234, 235  
 Hoel, Maj. Alfred G., Jr.: 468, 469, 472, 473, 482  
 Holabird Quartermaster Depot: 419, 420  
 Holt, Col. Andrew H.: 533  
 Hoover, Herbert: 424  
 Hoover Dam: 29  
 Hopkins, Harry L.: 469  
 Horni Signal Manufacturing Corp.: 479  
 Hoskins, Lt. Col. Harry D.: 380-81, 383, 385  
 Hotine, Col. Martin: 445, 449

- Howard, Lt. Col. George W.: 486, 490, 495-96  
 Howard, Needles, Tammen, and Burgendoff: 495  
 Hughes, Col. John B.: 225  
   authority accorded by AGF headquarters: 337-38  
   equipment for nondivisional combat battalions: 353-54  
   specialists recruited by voluntary enlistment: 350  
   training  
     mine warfare: 347  
     pontoon units: 345  
     time allotted: 352-53  
   troop organization  
     combat battalions, nondivisional: 351  
     group system: 346  
     supply and maintenance units: 227, 228-29  
     water supply units: 226  
 Hull, Lt. Gen. John E.: 332  
 Hyde: 414
- IBM systems: 532, 533, 541, 564, 566, 569  
 Imperial Dam: 464  
 Industry. *See also* Construction machinery industry.  
   equipment development: 27, 42, 57, 58, 62, 83, 141, 467, 575. *See also individual firms by name.*  
   preparation of maps: 78, 79  
   recruitment of military personnel: 3, 282, 287, 365, 430, 575  
 Infantry: 20, 26  
   camouflage: 86  
   instructors for EAC: 368  
   mapping: 75  
   specialists required: 117, 241  
   tank weights: 37-38  
 Infantry division. *See also* Square division; Triangular division.  
   bridging: 39, 41, 49  
   engineer component. *See* Combat battalions, divisional; Combat regiments, divisional.  
   percentage of engineer strength in: 12, 14, 15, 16, 224  
   reorganization: 12, 14-15, 22, 23, 68  
 Infantry divisions. *See* Army Ground Forces units, Divisions.  
*Infantry Journal*: 19  
 Infiltration courses. *See* Obstacle courses.  
 Information Bulletins: 8, 27  
 Ingalls, Col. Robert D.: 297-98, 299, 300, 301-02, 303, 304, 305, 305n  
 Inspections and investigations: 8  
   Camp Ellis, Ill.: 299, 303, 303n, 305  
   Camp Sutton, N. C.: 308, 311  
   Engineer Amphibian Command: 370-71  
   Engineer Section, Columbus ASF Depot: 566, 568  
   Inspections and investigations—Continued  
     Fort DuPont, Del.: 414  
     Jefferson Barracks, Mo.: 327  
     replacement training: 268  
   Inspector General, The  
     on AGF nondivisional units: 340, 345  
     and Engineer Amphibian Command: 370  
     and supply operations: 505, 566  
   Inspector General's Department, The: 303n  
   Instruction and testing  
     Engineer Officer Candidate School: 154, 155  
     Engineer Replacement Training Centers: 163, 165, 172, 173-74  
   Instructors and administrative staffs  
     AAF basic training center, Jefferson Barracks, Mo.: 319, 324, 327  
     AGF units: 341, 352  
     Engineer Amphibian Command: 368, 390  
     Engineer Officer Candidate School: 151-52, 153-54  
     Engineer Replacement Training Centers: 125, 158, 163, 166, 167, 171, 172, 173, 249-50, 258, 260, 266-68  
     Engineer Unit Training Centers: 272, 273, 275, 278-80, 283, 286-87, 292, 298, 300, 304, 305, 307, 311-12  
     petroleum distribution unit training: 429, 432  
   Intelligence. *See* Reconnaissance; Strategic intelligence.  
   Intelligence (Branch, Section) Division, OCE: 132, 217. *See also* Loper, Brig. Gen. Herbert B.  
     functions: 7  
     and mapping: 27, 444, 456, 458  
     and strategic intelligence: 438-39, 440, 450, 457, 458-59, 461, 462  
     and topographic units: 455  
 International aid  
   administration, policies, and procedures: 182-84, 195-98  
   Army Supply Program: 179  
   common stockpile, Great Britain: 186-88, 189-90, 196, 197, 198, 499, 501  
   petroleum pipeline, China: 420-23, 425  
   priorities: 187, 189-90  
   reductions: 498, 499-500  
   Russia: 499, 500  
   transfers from Treasury Department: 184, 186  
     1941: 100, 102, 104, 105  
     1942: 175, 176, 198  
     1943: 525  
 International Business Machines Corp.: 532  
 International Detrola Corp.: 479  
 International (Aid) (Branch, Section) Division, OCE: 175-76, 183, 195-98, 217, 499. *See also* Molnar, Lt. Col. Theodore T.  
 International Geographical Union: 457  
 International Harvester Co.: 32, 180

- International Supply Committee: 183, 187-88, 196
- Irving Subway Co.: 61
- Italian campaign  
  amphibian brigades: 372, 390  
  maps and strategic intelligence: 456, 457  
  mines and other obstacles: 1, 468, 476-77, 480  
  port reconstruction: 391  
  supplies: 543  
  tank dozer: 475  
  water supply: 226
- Italian collaborators: 307
- Italian National Research Council: 457
- Italian Service Units: 541
- Japan: 438, 461-63
- Japanese Army: 357, 468
- Japanese Imperial Land Survey: 461
- Jefferson Barracks, Mo.: 317-19, 324, 325, 326, 327, 328, 329
- Johns, Brig. Gen. Dwight F.: 60
- Johnson, Drake & Piper, Inc.: 393
- Joint Army-Navy Intelligence Studies: 457
- Joint Army and Navy Personnel Board: 232
- Joint Chiefs of Staff: 361, 376, 377, 378, 379, 380, 402, 408, 409, 457, 459
- Joint U.S. Staff Planners: 360, 378
- Joint U.S. Strategic Committee: 360
- Karstens, Maj. Chauncey W.: 424, 426, 428
- Kaye, Col. Minton W.: 446, 451, 452, 453
- King, Admiral Ernest J.: 359, 369, 376, 377, 378, 382
- Kingman, Brig. Gen. John J.: 7, 8, 9  
  duties: 132  
  equipment development: 29  
    bridges: 38, 39, 41, 44, 48, 52  
    landing mat: 59, 61  
  mapping: 69, 71, 74  
  Negro personnel: 119  
  officers: 121, 122  
  petroleum pipeline systems: 422  
  research courses: 22  
  strength: 16, 115  
  supplies: 36  
    Class IV: 95, 105  
    procurement contracts: 98  
    procurement planning: 91  
    procurement program: 93, 96, 102  
  troop organization: 13  
    armored units: 17  
    aviation units: 18, 25, 56, 140  
    general units: 138  
    maintenance units: 36
- Knudsen, Lt. Gen. William S.: 180, 182, 525, 547
- Krueger, Gen. Walter: 130, 344, 345
- Krum, Arthur E.: 175
- Krumbein, Dr. William C.: 439, 457
- Kuldell, Brig. Gen. Rudolph C.: 217, 554, 556, 557, 559, 572
- Labor shortages: 203, 408, 546, 547, 549
- Lake, Maj. James L.: 429, 431
- Lake Charles, La., airport: 129
- Landing craft. *See* Amphibious equipment, landing craft.
- Landing mat  
  development of: 56-62, 63, 467, 575  
  in maneuvers: 62, 129  
  procurement of: 201, 204, 518, 525  
  training in laying of: 301, 322, 323
- LaPlante-Choate Co.: 98, 471, 473, 474
- Lathrop Engineer Depot: 383, 541, 543
- Lawrence: 403
- Lebourg, Maurice: 477
- Ledo Road: 1, 143, 549
- Legal Branch, OCE: 132
- Le Havre, France: 391
- Lend-lease. *See* International aid.
- Lend-Lease Act: 100
- Lentz, Brig. Gen. John M.: 344-45
- LeTourneau. *See* R. G. LeTourneau, Inc.
- Light equipment companies: 222, 225, 229. *See also* Base equipment companies; Equipment companies.
- Light ponton companies: 15, 26, 49  
  classification and control of: 222  
  Negroes in: 118, 119  
  organization, equipment and functions: 11, 16, 51-52, 141, 226  
  training: 128
- Lima, Ohio: 547
- Linkswiler, Col. Gilbert E.: 32
- Loper, Brig. Gen. Herbert B.: 78, 79-81, 230, 441, 443, 444, 445, 448, 451, 453, 455, 456, 457, 458, 461
- Loper-Hotine Agreement: 445-46, 449
- Louisiana maneuver area: 128-29
- Lower Mississippi Valley Division: 5, 147
- Lyman: 414
- MacArthur, Gen. Douglas: 1n, 234, 359, 380, 382, 384, 385, 386, 387, 390, 448, 459, 462, 476, 572
- McChord Field, Wash.: 330
- McCloy, John J.: 346
- McCoach, Maj. Gen. David, Jr.: 132
- McCook Field: 65
- MacDill Field, Fla.: 320, 324, 334, 335
- McNair, Lt. Gen. Lesley J.: 354  
  as administrator: 337, 338  
  on amphibian brigades: 387  
  combat training emphasis: 338, 339, 574  
  and manpower shortages: 343  
  mine warfare training: 346-47

McNair, Lt. Gen. Lesley J.—Continued  
 nondivisional unit training: 340, 343, 344, 345  
 and specialists recruited by voluntary enlistment: 349  
 troop unit organization: 23, 223, 224–25, 226, 228, 229, 574  
 on 1941 maneuvers: 130

McNarney, Gen. Joseph T.: 267, 359, 360

Madigan, Michael J.: 523, 524

Maginot Line: 19

Magruder, Brig. Gen. John: 421, 422, 423

Maintenance companies: 206, 221, 222, 228–29, 231, 321, 570, 571

Maintenance (Section) Division, OCE: 176, 206, 211, 212, 217, 228. *See also* Smith, Col. C. Rodney.

Maintenance of equipment. *See also* Base shop battalions; Foundry detachments; Heavy shop companies; Maintenance companies; Parts supply companies; Shop companies; Spare parts.  
 echelons of: 206–07, 207n  
 landing craft: 370  
 standardization: 192, 207–10, 214, 560, 562, 572.  
*See also* Construction machinery, used.  
 at training stations: 321

Malony, Maj. Gen. Harry J.: 77

Manchester: 403, 407, 408

Maneuvers: 22, 24, 52, 62, 78–80, 82, 86–87, 93, 113, 128–31, 136, 227, 419–20, 441. *See also* Field exercises.

Manhattan District: 307

Manila, P. I.: 415–16

Map supply. *See also specific theaters of operations*; Army Map Service; Engineer Reproduction Plant; Theaters of operations, mapping.  
 division of responsibility with AAF: 70. *See also* Mapping, aerial photography.  
 division of responsibility with Great Britain: 444, 445–46, 449–50, 451, 457, 458, 463  
 program for: 77–78, 441–46

Mapping: 7  
 administrative control of: 78, 451, 452, 453–54  
 aerial photography: 456, 459  
 advantages and limitations of: 65, 441  
 personnel and aircraft for: 68–69, 70–71, 72, 73, 75–77, 78, 79, 81, 446, 448, 449, 450, 451, 452, 453  
 tri-metrogon versus wide-angle vertical: 446–54, 460, 463  
 in maneuvers: 78–80, 441  
 speed of production: 70, 72, 73, 75, 76–77, 441  
 summary and evaluation: 463, 580  
 tests: 66, 70, 72, 447

Mapping equipment: 574  
 aerocartograph: 66  
 cameras  
 portable copying: 74

Mapping equipment—Continued  
 cameras—Continued  
 T-3a: 65, 70, 71, 72  
 T-5: 71, 72, 447  
 tri-lens: 65  
 wide-angle: 446, 447  
 multiplex aeroprojector: 66, 71, 442, 448–49  
 procurement of: 93, 99, 106, 108, 201, 203, 204, 518, 525  
 stereocomparagraph: 65–66

Mapping techniques: 64–66, 70, 447–48

Maps  
 coverage and scale: 64, 66, 72, 76–77, 79–81, 447–48, 449, 451–52  
 reproduction of: 66, 68, 73–75, 78, 458, 462

March Field, Cal.: 320, 324, 325, 327, 329, 330, 331

Mariemont, Ohio, searchlight mirror plant: 91, 96, 518

Marine Corps  
 amphibious operations: 364, 378  
 development of doctrine for: 355–57  
 in Pacific theaters of operations: 359, 360, 361  
 provision of instructors for Engineer Amphibian Command: 368  
 equipment development: 27  
 tractor requirements: 182

Marine Corps unit, 1st Marine Division: 380

Marine Design Section, Philadelphia District. *See* Philadelphia District, port repair ships and crews.

Marion Engineer Depot: 536, 543, 565

Maritime School, Brooklyn, N. Y.: 414

Maritime Service schools: 406, 407

Marks, Brig. Gen. Edwin H.: 466

Marksmanship: 163, 170–72, 264, 285–86, 299, 304

Marshall, Gen. George C.: 93, 220, 340, 378, 386, 411, 415, 449, 471

Mason, Dr. Martin A.: 439, 457

Massachusetts Institute of Technology: 393

Materials  
 allocation. *See* Controlled Materials Plan; Production Requirements Plan.  
 substitutions: 82–83, 103–04, 201, 203, 466, 551, 553  
 supply and shortage: 102–03, 182, 188–89, 190, 191, 199, 201, 213, 215, 223, 408, 518, 523, 547, 549, 551, 553, 562

Matteson, Col. William J.: 466

Matthews, Col. Albert G.: 442, 461, 462

Mayo, Col. George: 57, 58, 59, 60, 334

Mechanical aptitude tests: 246, 247

Medical Department: 117, 134, 440, 563

Medical Department units: 365



- Mediterranean theater of operations: 438. *See also* Italian campaign; France; North African campaign.
- Mehaffey, Maj. Gen. Joseph G.: 136
- Meissner, Clarence E.: 58
- Merritt-Chapman & Scott Corp.: 393
- Metropolitan Technical School of New York: 246
- Meyers, Charles W.: 58
- Middle Atlantic Division: 509, 521, 522
- Middle East  
     construction of bases: 143-44, 147, 155, 156, 270, 275  
     international aid: 102
- Military construction program: 9, 132, 216. *See also* Construction Division, OCE.  
     effect on procurement organization: 132, 134, 177, 178, 509  
     effect on troop activities: 134, 575  
         officer supply: 121-22, 123, 147-48, 156, 174, 577  
         recruitment by voluntary enlistment: 273, 282, 293, 294
- Military Division, OCE: 4, 7-8, 17, 23, 27, 28, 31, 33, 47
- Military Engineer, The*: 19
- Military Mission to China: 421, 422
- Military observers: 19, 25, 28, 51, 472, 485, 486
- Military Personnel (Section) Branch, OCE: 132.  
     *See also* Bessell, Brig. Gen. William W., Jr.  
     functions: 7  
     officers  
         classification system: 124  
         commissioned from civil life: 156, 157  
         rotation: 267  
         supply activities: 536  
         transfer from military construction to troop duty: 147, 148  
     port repair ship crews: 406, 410  
     recruitment for amphibian brigades: 365
- Miller, Brig. Gen. Lehman W.: 311
- Milwit, Col. Herbert: 449
- Mine detectors: 480-81, 482, 575  
     AN/PRS-1: 478, 479  
     AN/VRS-1: 477-78  
     for metallic mines  
         AN/PRS-3: 479  
         SCR-625: 53-55, 468, 477, 478, 479  
     for nonmetallic mines: 478, 479  
     vehicular mounted: 477-78
- Mine field clearance: 53, 468-70, 471, 476, 479-81, 482-83, 497  
     Aunt Jemina: 476  
     rockets: 481n  
     scorpion: 470, 471, 480, 482  
     snake: 470, 471, 476, 480, 481, 481n
- Mine warfare training: 346-48. *See also* Training, realism in.
- Mission: 1-3, 11, 27, 62, 468  
     amphibious operations: 21, 357, 358, 361, 475  
     with armored forces: 17, 22, 43-44  
     with Army Air Forces: 11, 18  
     camouflage: 81, 82, 87  
     combat: 2, 15, 16, 19-22, 254, 481, 483  
     combat versus service: 25-26, 135, 142-43, 238-39, 573-74  
     with infantry division: 11, 12, 14, 22  
     influence of World War I on: 10-11  
     mapping: 64  
     mine warfare: 347  
     petroleum distribution: 417, 420-25  
     port reconstruction: 391-92  
     river crossings: 21, 36-37, 42  
     supply: 88, 135, 219, 536, 540, 576
- Mobile District: 177
- Mobile reproduction train: 73-74, 78
- Mobile shop company: 206
- Mobility: 10, 12, 18-19, 31. *See also* Equipment, weight of.  
     pontoon units: 51, 52  
     relation to engineer mission: 1, 14, 16, 17, 26, 27, 36-37, 43-44, 62, 468, 574  
     relation to mapping: 64, 70, 72, 76-77, 80, 441
- Mobilization plans: 10, 11, 94, 95, 104, 109, 241, 573, 575. *See also* Procurement of supplies, planning.
- Mobilization Training Programs: 112, 125, 263, 272-73, 308, 326, 327, 329
- Model-making teams: 455-56
- Molnar, Lt. Col. Theodore T.: 175, 183, 184, 195, 196, 197, 421, 499
- Monroe, La., airport: 129
- Montgomery Ward: 207
- Monthly Progress Reports: 563
- Moore, Maj. Gen. Richard C.: 13
- Morale: 3, 4, 5, 220, 236, 281, 303, 304, 368-69, 377-78. *See also* Racial and national tensions.
- Motorized battalions: 222
- Mountain battalions: 222
- Mountain Training Center: 464
- Mountain warfare equipment: 464
- Mountbatten, Vice-Admiral Lord Louis: 369, 469
- Mullins, Col. Clayton E.: 42, 49, 486, 487, 489, 490, 493
- Mullins, Howard H.: 483, 493
- Munitions Assignments Board: 183, 184, 186, 401, 402, 403
- Munitions Assignments Committee (Ground):  
     184, 186, 188, 196, 197, 499  
     Diesel Engine Sub-Committee: 516-17, 519  
     Engineer Subcommittee: 184, 188, 501  
     Subcommittee on Tractors: 186, 188
- Munitions Assignments Committee (Navy): 401
- Munitions Program, June 1940: 94, 96, 100, 104
- Murwin, William J.: 471, 474

- Naples: 391
- National Defense Advisory Commission: 96, 102
- National Defense Research Committee: 27, 54, 375, 470, 478, 479, 482
- National Guard: 18, 93, 94, 99, 109, 112-13, 123.  
*See also* Officers, National Guard.
- Navy: 191, 373, 440, 451, 457, 459, 460, 511  
on amphibian (special) brigades: 390  
amphibious operations. *See* Amphibious equipment, landing craft; Amphibious operations, division of control between Army and Navy.  
aviation units' training: 335  
beach and underwater obstacle clearance: 472-73, 475  
Chief of Naval Operations. *See* King, Admiral Ernest J.  
equipment development: 27  
personnel: 122. *See also* Seabees.  
petroleum pipelines: 418  
port reconstruction. *See* Port reconstruction, division of responsibility between Army and Navy.  
port repair ship crew training: 407  
procurement: 99, 102, 182, 401, 402, 403, 404, 516, 518
- Navy Salvage Training and Diving School: 396
- Negro enlisted men: 576-77. *See also* Racial and national tensions; Specialists, Negro.  
assignment policies: 118-19, 119n, 139, 232, 233, 237-38, 257, 308-10, 334  
aviation units: 119, 314, 322  
housing and recreational facilities: 257, 306  
marksmanship: 171, 299  
regiments trained at EUTC, Camp Claiborne: 296  
training programs: 119, 165, 308, 322
- Negro officers: 308, 311, 312
- Neuman, Col. David L.: 563-66, 568
- New York District: 177, 178, 509, 521
- New York Port of Embarkation: 104, 539
- New York Public Library: 439
- Newsweek*: 45
- Nimitz, Admiral Chester W.: 359, 380, 462
- Noce, Maj. Gen. Daniel: 361-62, 365, 366, 376, 385, 386-87, 388
- Nondivisional AGF units. *See also* Unit training, AGF, nondivisional units.  
effect of manpower shortages on: 341-43  
fluctuations in requirements for: 337
- Normandie*: 407
- Normandy landings and breakthrough: 1, 481-82
- North African campaign: 198, 216, 372  
airborne aviation battalions: 316  
amphibious operations: 372, 378, 390  
armor for construction machinery: 471  
control of aviation units: 234  
effect on replacement requirements: 253
- North African campaign—Continued  
effect on tank development: 490  
effect on training: 254, 346-47  
maintenance: 571  
map supply and strategic intelligence: 438, 450-51, 453, 454  
mine warfare: 346-47, 468, 477  
petroleum pipelines: 427  
port reconstruction: 417  
supplies: 204, 214, 502-03  
terrain models: 455  
water supply: 226
- North Atlantic Division: 5, 509, 510, 521, 522, 539
- Norway: 469
- Obstacle courses: 163, 167, 255, 256
- Obstacles: 14, 21, 53, 172, 468. *See also* Beach obstacle clearance; Demolitions; Mine detectors; Mine field clearance; Tank dozer; Underwater obstacles.
- Office of the Chief of Engineers. *See also specific administrative units.*  
administrative organization: 4-5, 7-8, 132, 134-35, 216-17, 219  
on control of aviation units: 235  
equipment development: 47, 48, 467, 487, 497  
mapping: 75  
personnel  
heavy shop companies: 287  
Negro: 257, 309, 310  
officers commissioned from civil life: 272  
recruitment by voluntary enlistment: 349  
petroleum distribution: 424-25, 427, 429, 431, 432  
port repair ships: 400  
relations with AGF Engineer Section: 338  
supplies  
Class IV: 502-03, 504, 505, 506, 507  
stock control: 537, 555
- training  
centers: 277, 278, 303, 304  
officers: 109-10  
programs: 250-51, 259, 293, 296, 329, 397, 579  
specialist: 247, 287, 288
- troop organization  
forestry companies: 142  
group system: 346, 354  
water supply units: 226
- Office of Production Management: 102, 103, 179
- Office Service Branch, OCE: 132
- Office of Strategic Services: 457
- Officer Candidate School: 124, 146, 148-55, 158, 160, 242, 246
- Commandant. *See* Crawford, Brig. Gen. Roscoe C.

- Officer Candidate School graduates: 122  
 AGF units: 350  
 amphibian brigades: 365, 366  
 from other arms and services: 159  
 quality of: 156, 157, 160, 295, 540, 577  
 specialist courses for: 300
- Officer candidates: 243, 244, 262, 282
- Officer Procurement Service: 156-57
- Officers. *See also* Instructors and administrative staffs; Military observers; U. S. Military Academy.  
 classification: 123, 124  
 commands for colonels: 139, 225  
 commissioned from civil life: 3, 109, 122, 146, 147, 148, 155-58, 159, 270, 272, 273, 281-82, 295, 365, 394, 400, 406, 411-12, 577  
 for equipment development: 28-29, 81-82, 464, 465, 466  
 National Guard: 8, 112, 113, 123, 124, 148, 158, 159, 272  
 for Negro units: 119, 308, 311-12  
 Regular Army: 3, 5, 8, 9, 109, 111-12, 113, 114, 115, 120, 121, 123, 124, 147, 148, 158, 159, 174, 272, 575  
 Reserve: 8, 97, 111, 112, 113-15, 119, 120, 121, 122-23, 124, 146, 147, 148, 155, 158, 159, 174, 177, 272, 365, 575  
 for supply activities: 97, 177, 536, 540, 563, 564, 565, 566, 568, 576  
 supply and demand: 109, 111, 113-14, 115, 120-24, 146-48, 174, 341, 575  
 training and experience in peacetime: 3, 5, 7-8, 109-10, 111, 113-14, 575, 580  
 training and experience in wartime: 21, 112, 114-15, 120, 124, 158-60, 273, 282. *See also* Officer Candidate School.  
 transfers to troop duty: 9, 111-12, 120-23, 146-48
- Officers Reserve Corps: 109, 113, 120
- Ohio River Division: 509, 521, 522
- Oil companies: 430
- Okinawa: 372, 390
- Oliver, Maj. Gen. Lunsford E.: 45, 46, 47, 48, 49, 137-38, 490n
- OMAHA beach: 459, 481-82
- Operations and Training (Section) Branch, OCE; 132, 217. *See also* Godfrey, Brig. Gen. Stuart C.; Gorlinski, Col. Joseph S.; War Plans Division, OCE.  
 equipment development: 27, 42, 43  
 research courses: 22  
 staff and functions: 7, 12-13  
 supplies: 89, 104, 198, 201, 207-08, 209, 500-501, 503, 505  
 training: 114, 119, 126, 159, 162, 244, 246, 252, 255, 413  
 troop organization: 36, 225, 393, 434, 567
- Ordnance Department: 207, 316, 318, 563  
 armor for construction machinery: 475-76  
 Engineer Board representative: 29  
 mines and mine field clearance: 53, 469-70, 473, 476, 480  
 officer candidates: 151  
 petroleum distribution: 425  
 procurement: 96, 134, 182, 186, 191, 216, 516, 547n, 558  
 replacement and distribution factors: 195  
 specialists required: 117, 117n  
 strength: 134  
 tank dozer: 470, 471  
 tanks: 37, 39, 40-41, 483, 491, 492, 496  
 training of engineer specialists: 288
- Ordnance Department Technical Committee: 490-91, 492
- Ordnance units: 365
- Organization. *See specific administrative units and specific troop units*; Procurement of supplies, administrative organization; Tables of organization.
- Organization Todt: 20
- Oxford University: 110
- Pacific Division: 509, 521, 522
- Pacific theaters of operations. *See also* Central Pacific theater of operations; Philippines campaigns; South Pacific theater of operations; Southwest Pacific theater of operations.  
 armored construction machinery: 471, 476  
 Class IV supplies: 504-05  
 effect on training: 160, 335  
 engineer activities in: 1  
 maps and strategic intelligence: 438, 459, 461-63  
 mines and other obstacles: 468, 479  
 port reconstruction: 399, 407, 412, 413, 415-16  
 water supply equipment: 551
- Park battalion: 35, 227
- Parts supply companies: 227-28, 298, 561, 564, 571
- Patterson, Robert P.: 88, 93, 99, 203, 220, 272, 279
- Patton, Lt. Gen. George S., Jr.: 436
- Paul, Maj. Gen. Willard S.: 341-42, 344, 345
- Paules, Col. Earl G.: 295
- Perkins, Charles G.: 175
- Personnel, civilian: 9, 147  
 depots: 533, 536, 540-41, 564, 568  
 equipment development: 28-29, 81-82, 464, 465, 466  
 maintenance: 209, 561  
 mapping: 66, 442  
 procurement: 97, 134, 178, 508, 509, 512  
 stock control: 537, 540  
 strategic intelligence: 439-40  
 Supply Division, OCE: 175  
 unit training centers: 280, 287, 288

Personnel, military. *See also* Enlisted men; Officers.  
economies in: 12, 14, 15, 16, 22-23, 223-27, 228,  
232, 236, 237, 456

Petroleum distribution

methods: 417, 424

personnel and training for: 278, 293, 295, 429-34

pipeline systems: 417

development and tests: 418-24, 425, 426-  
29, 575

procurement: 423, 427

in theaters of operations: 434, 436

Petroleum distribution companies: 229, 406. *See also* Petroleum distribution, personnel and training for.

control of: 222

number of, June 1945: 238

organization, equipment, and functions: 417, 427,  
431

training locale: 278

Petroleum distribution detachments: 427, 431.

*See also* Petroleum distribution, personnel and training for.

Philadelphia District

dredge crews: 412, 413, 414

port repair ships and crews: 401, 404, 405, 407,  
410

procurement: 177, 178, 509

Philippine Islands: 127, 143

Philippines campaigns

armored construction machinery: 476

maps and strategic intelligence: 459-61

supplies: 105

Photographic squadrons. *See* Mapping, aerial photography, personnel and aircraft for.

Physical Profile System: 351n

Pipeline systems. *See* Petroleum distribution, pipeline systems.

Pittsburgh District: 177, 178, 509

Pneumatic floats: 42, 48, 49, 201, 484, 486, 549,  
575. *See also* Bridges, steel treadway.

Polifka, Col. Karl L.: 453

Polish campaign: 18, 20

Pooling. *See* Group system of organization.

Port construction and repair groups. *See* Port reconstruction, port construction and repair groups.

Port reconstruction

division of responsibility between Army and Navy: 391, 392, 401-02, 416

dredges and crews: 392, 411-16

port construction and repair groups: 229, 231,  
234, 236, 406

control of: 222

number of, June 1945: 238

organization, equipment, and functions:  
391-92, 393-94, 400, 416

personnel and training: 295, 394-99

Port reconstruction—Continued

port repair ships and crews: 391, 392, 399-411,  
416

in theaters of operations: 391, 398-99, 415-16

Port repair ships. *See* Port reconstruction, port repair ships and crews.

Ports of embarkation: 530, 532n

Powers, Col. William F.: 469

Prairie dog: 477-78

Preference ratings. *See* Priorities.

Prentiss, Col. Louis W.: 267

President's Emergency Fund: 29

Priorities: 96, 99, 102-03, 104, 187, 189-90, 191,  
511

Prisoners of war: 307, 313

Procurement districts. *See* District offices, procurement activities.

Procurement (Branch) Division, OCE: 175, 217

contracting: 93, 97-98, 99, 100, 102, 107, 177,  
509

engine shortage: 519-20, 549

equipment standardization: 208

organization and functions: 97, 178, 509, 510,  
521, 553

overprocurement: 544, 545

procurement program, 1943: 518-19

Production Requirements Plan: 199

spare parts: 212, 213, 559-60, 569

Supply Control System: 559

Procurement of supplies: 88. *See also* Spare parts.

administrative organization: 7, 88, 97, 100, 132,  
134, 135, 177-78, 221, 507-10, 521-22, 553-  
54, 576

contracts

advertised versus negotiated: 92-93, 96, 97-  
98, 100, 176, 179

cancellations and cutbacks: 518, 544-45,  
546, 559

commodity versus territorial awards: 177-  
78, 510, 521, 522, 553

distribution of: 96, 98-99

deliveries: 216, 556-57. *See also* Engines and other components; Facilities, industrial; Materials; Priorities.

1940: 100

1941: 104, 107, 108

1942: 134, 180, 192, 201, 203-04, 206

1943: 517-18, 522-23, 525, 557

1944: 553, 557, 573

educational orders: 91

planning: 88-89, 91, 97, 177

policies and procedures: 96, 176-77, 178-79

programs. *See also* Army Supply Program.

before Pearl Harbor: 92, 93-96, 97-98, 99,  
100

1945: 559

summary and evaluation: 575-76

- Production Requirements Plan: 189, 190, 199, 507, 511
- Production scheduling: 89, 514
- Production urgency list: 547
- Protective Mobilization Plan: 93-94
- Provisional Engineer Organization Center. *See* Engineer Unit Training Centers, Camp Claiborne, La.
- Provost Marshal General's Office: 157
- Public works: 5, 30
- Puerto Rico, V. I.: 5, 59, 61
- Pumps: 420, 421, 422, 426, 430
- Quartermaster Corps  
   depot administration: 532, 563  
   enlisted men: 231  
   military construction program: 9, 62, 121, 122, 123, 132, 174  
   officers: 121, 122, 124, 147  
   operation of utilities plants: 229  
   petroleum distribution: 417-20, 422, 424, 425  
   procurement of supplies: 134, 135, 216, 508, 558  
   specialists required: 117, 117n  
   strength: 134-35  
   training of engineer specialists: 242-43, 244
- Quartermaster Corps units: 365, 391
- 56th Quartermaster Regiment: 420
- Quartermaster General, The. *See* Quartermaster Corps.
- Quebec Conference, August 1943: 502
- R. G. LeTourneau, Inc.: 98, 245, 246, 471, 473, 474
- Racial and national tensions: 310-13
- Radar: 91, 203
- Radio Corporation of America: 478
- Radio-Television Institute: 244
- Rafts and ferries: 42, 44, 47, 49, 141, 486, 494
- Railroad operation: 3
- Railway Section, OCE: 7
- Railway units: 279
- RAINBOW 4: 95, 104
- Raymond: 413, 415
- Reception centers: 117, 161, 162, 272, 273, 314
- Reconnaissance: 66, 71, 72, 171
- Reconnaissance squadrons: 14
- Recruitment by voluntary enlistment. *See* Specialists, recruitment by voluntary enlistment.
- Redistribution and Salvage Branch, OCE: 547
- Regional Control Offices: 555
- Regional Field Maintenance Offices: 321
- Regular Army: 93, 99, 109, 112, 113  
   administrative organization: 4, 10, 125  
   engineer units in: 11, 238, 239  
   modernization: 12, 573  
   strength: 15, 18, 92, 94, 498. *See also* Troop basis.
- Regular Army Officers. *See* Officers, Regular Army.
- Reliance Steel Products Co.: 62
- Remagen bridge: 1, 496
- Renegotiation Act of April 1942: 176
- Renshaw, Col. Clarence: 410, 414
- Replacement factors. *See* Requirements for supplies, replacement factors.
- Replacement training. *See also* Engineer Replacement Training Centers; Equipment, for training; Replacements for aviation units.  
   objectives: 160-61, 256  
   realism in: 254-56  
   summary and evaluation: 174, 268-69  
   8-week program: 162, 164, 165, 166, 167, 273  
   12-week program  
     effect of specialist training and other withdrawals on: 243, 251-54  
     1941: 161  
     1942: 166, 169-74  
   17-week program: 259-60, 261-66, 268, 296
- Replacements for aviation units: 328
- Republic Steel Corp.: 469
- Requirements for supplies: 7, 135. *See also* Army Supply Program; Procurement of supplies, programs; Spare parts; Supply Control System.  
   Class II supplies: 94, 175  
   Class IV supplies: 89, 175, 176, 179, 180, 193, 198-99, 500-507, 512-13, 514, 545, 576  
   distribution factors: 179, 180, 193-95  
   replacement factors: 94, 179, 180, 193-94, 194n, 195, 498, 500, 523
- Requirements and Stock Control Branch, OCE: 554, 555
- Requirements, Storage and Issue Branch, OCE: 175, 555n, 561. *See also* Dawson, Col. Miles M.  
   Class IV supplies: 501  
   distribution of supplies: 532, 533, 538  
   equipment standardization: 208, 209  
   international aid: 100, 195, 198  
   requirements: 94  
   stock control: 537, 540, 543, 544
- Research courses: 21-22, 42, 52, 53, 126, 357-58, 361, 363
- Reserve officers. *See* Officers, Reserve.
- Reserve Officers Training Corps: 109, 113-14, 120, 122, 123-24, 146, 153, 158
- Reybold, Lt. Gen. Eugene: 1n, 13, 236  
   and ASF: 136, 220  
   biographical sketch: 134  
   equipment development: 466, 491-92  
   mapping organization: 451  
   Negro personnel: 119, 119n  
   officer assignments: 148  
   supplies  
     administrative organization for procurement of: 510, 554

# Reybold, Lt. Gen. Eugene—Continued supplies—Continued

Class IV: 501  
 construction machinery: 180  
 engines: 519, 520  
 international aid: 187  
 procurement program, 1941: 108  
 spare parts: 214, 567  
 troop organization and training  
 construction units: 232, 233  
 general service regiments: 144, 145  
 group system: 225  
 unit training centers: 279, 304, 305  
 visits to theaters of operations: 502  
 Rhine River crossing: 1, 496  
 Rhodes scholarships: 110  
 Richie, Col. William L.: 382  
 Richmond, Va.: 319, 320, 334  
 Richmond ASF Depot: 543  
 Rivers and harbors. *See* Civil works.  
 Robins, Maj. Gen. Thomas M.: 8, 9, 132, 147, 217, 236-37, 409, 452-53  
 Rockefeller Foundation: 457, 462  
 Rockets and rocket launchers: 475, 480, 481  
 Rodwell, Lt. Col. Charles R., Jr.: 537, 539, 540, 544, 554  
 Roebling, Donald: 356  
 Rogers Brothers Corp.: 103  
 Rommel, Field Marshal Erwin: 468  
 Roosevelt, Franklin D.: 182, 469  
 Rosenberg, Col. Lyle: 554  
 Ross, Brig. Gen. Lewis T.: 501  
 Rossell: 411  
 Rote, Lt. Col. George A.: 54, 477, 478  
 ROUNDUP: 400  
 Rumaggi, Lt. Col. Louis J.: 68, 78, 79  
 Russia: 499, 500  
 Saint-Gaudens, Col. Homer: 81, 85, 86  
 St. Louis District: 509  
 Samuel Gompers Trade School: 405  
 San Antonio ASF Depot: 532, 538, 539  
 San Francisco ASF Depot: 532  
 San Francisco District: 177, 509  
 Savannah ASF Depot: 397  
 Schenectady ASF Depot: 532, 539  
 Schley, Maj. Gen. Julian L.: 7, 8, 134  
 appropriation bills testimony: 9  
 biographical sketch: 4  
 engineer combat mission: 20-21  
 landing mat: 59  
 military construction program: 121  
 personnel  
 enlisted men: 117  
 National Guard: 113  
 officers: 114, 122, 123

# Schley, Maj. Gen. Julian L.—Continued supply

Class IV stocks: 105  
 procurement program: 88, 100  
 troop organization: 13, 15-16, 23-24  
 Schull, Col. Herman W., Jr.: 305, 420  
 Schultz, Lt. Col. William F., Jr.: 385  
 Schulz, Brig. Gen. John W. N.: 271-72, 273, 274, 275, 276, 277, 278-79, 280, 292, 466  
 Seabees: 232, 234, 236, 237, 329  
 Seacoast defenses: 7, 9n, 99  
 Searchlights: 88, 91, 96, 98, 99, 100, 108, 203, 204, 517, 518  
 Sears, Roebuck & Co.: 207  
 Second Air Force: 319, 320  
 Second Army: 128, 129, 130  
 Second Army Engineer: 131  
 Secretary of War: 4. *See also* Stimson, Henry L.  
 Seeman, Col. Lyle E.: 84  
 Selective Service Act: 18, 23, 116, 158  
 Separate battalions: 11, 15  
 control of: 222  
 conversion to construction battalions: 234, 235-36  
 conversion to general service regiments: 138, 139, 140, 225, 231  
 elimination from combat echelon: 225-26  
 equipment: 33, 34  
 Negroes in: 118, 119, 139  
 number of, June 1945: 238  
 training: 126, 278  
 Service Commands: 219, 266, 268, 349, 388, 509  
 Fourth: 311  
 Sixth: 297, 303, 304, 305  
 Seventh: 266  
 Eighth: 280, 538  
 Service schools: 242-43, 244, 247, 251, 252, 253, 287, 288, 327, 328, 367, 406  
 Service units, increase in: 142-45, 161, 238, 293, 573  
 Services of Supply. *See* Army Service Forces.  
 Seybold, Col. John S.: 175, 197, 510  
 Sharonville Engineer Depot: 536, 543  
 Shell Oil Company, Inc.: 418, 420-23, 426  
 Shenandoah National Park: 265, 424, 425  
 Sherrill, Col. Fred G.: 546, 559, 569  
 Shipping shortage: 144, 194, 215, 223, 507  
 Shop companies: 11, 26, 35, 36, 115  
 Shovels and cranes. *See also* Construction machinery.  
 procurement and allocation: 190, 192, 547  
 selection: 33  
 Sicilian landings: 455-56  
 Siegfried Line: 459  
 Signal Corps  
 instructors for Engineer Amphibian Command: 368  
 mine detectors: 54, 479

## Signal Corps—Continued

- officers and officer candidates: 124, 151
- procurement: 508
- specialists required: 117, 117n
- training of engineer specialists: 242, 243, 244, 406
- Silkman, Col. John M.: 95, 104
- Slade, Maj. Ernest A.: 424, 428, 429, 430
- Smith, Col. C. Rodney: 35–36, 176, 206, 208, 209, 212, 213, 214, 227, 559–60, 561, 563, 564–65, 566, 569, 570
- Smith, Sid S.: 420–23, 425, 430
- Smyser, Col. Rudolph E., Jr.: 25, 56, 60
- Snake. *See* Mine field clearance, snake.
- Snow, Col. Beverly C.: 196–97
- Snyder, Congressman J. Buell: 136
- Society of American Military Engineers: 3, 19, 115
- Socony-Vacuum Oil Co., Inc.: 425
- Soil Conservation Service: 439
- Somervell, Gen. Brehon B.: 121, 235, 303, 304, 491, 519, 520
  - amphibious operations and training: 369, 371, 376, 377, 380, 381
  - ASF administrative organization: 135, 136, 219–20, 221
  - characterization of Corps of Engineers: 3–4
  - equipment development: 465–66, 471
  - personnel
    - dredge crews: 412
    - petroleum distribution units: 433
  - supplies
    - administrative organization for procurement: 132
    - Army Supply Program: 193
    - international aid: 195, 197, 499
    - relationship between strategy and logistics: 501
    - spare parts: 214
    - visits to theaters of operations: 502
- Soong, Dr. T. V.: 422
- South Atlantic Division: 148, 509, 521, 522
- South Pacific theater of operations: 571
- Southwest Pacific theater of operations
  - amphibian brigades: 390. *See also* Amphibious training, effect of Southwest Pacific theater of operations requirements.
  - aviation units: 234
  - combat battalions, nondivisional: 353–54
  - comments on officers: 160
  - forestry companies: 291
  - maintenance of equipment: 571, 572
  - map supply: 448, 449
  - monthly reports: 502
  - petroleum distribution units: 434
  - supplies: 214, 506, 507, 543, 572
  - training reports: 249
- Southwestern Division: 509, 521, 522
- Spare parts: 197, 207, 208, 209, 211, 211n, 212–14, 513, 533, 556, 559–60, 560n, 561–70, 571, 572. *See also* Columbus ASF Depot; Depot companies; Maintenance companies; Parts supply companies.
- Spare Parts Control Office: 569
- Sparkman & Stephens: 495
- Special brigades. *See* Amphibian brigades.
- Special Committee Investigating the National Defense Program: 568
- Special service regiments: 155, 232, 235–36
  - control of: 222
  - fillers: 247, 272, 273–74
  - number of, June 1945: 238
  - officers: 272, 273, 281–82, 295
  - organization and functions: 144, 270
  - training: 277. *See also* Unit training, ASF, 6-week program; Unit training, ASF, 13-week program.
- Special units: 11, 26, 125, 140–42
- Specialists
  - Negro: 138, 237, 244, 251, 265, 295–96, 309–10, 311
  - quantity and type required: 116–17, 117n, 241
  - recruitment by voluntary enlistment: 293, 294–96, 575, 577
    - AAF units: 328–29, 334, 577
    - AGF units: 295, 349–50, 577
    - amphibian brigades: 365
    - competition with Navy: 232, 328–29
    - construction units for Middle East and United Kingdom: 270, 272, 273–74
    - dredge crews: 411–12
    - general and special service regiments: 270, 272, 273–74, 282, 294–96
    - numbers sent to Camp Ellis: 295, 298
    - petroleum distribution units: 295, 429, 430
    - port construction and repair groups: 295, 394–95, 399
    - port repair ship crews: 400, 403, 405, 406
  - training: 241–42, 259, 261–62
    - AAF units: 244, 245–46, 318, 325, 327–28
    - AGF units: 245, 246, 338–39, 352, 353
    - amphibian brigades: 367–68, 373
    - at Engineer Replacement Training Centers: 161, 242, 243–44, 245, 246, 247–54, 261–62, 264–65, 269, 349
    - at Engineer School: 111, 116, 124, 241, 242, 243, 244–46, 262, 263
    - heavy shop companies: 287–88
    - petroleum distribution units: 430, 434
    - port construction and repair groups: 396, 398
    - port repair ship crews: 402, 405–06, 407
    - quotas for AGF: 351
    - at unit training centers: 275, 283–84, 296, 300, 308
- Specification serial number: 116

Sperry Gyroscope Co.: 91, 98, 203  
 Squadron, cavalry division: 11, 33, 34, 138, 139  
 Square division: 10, 15, 23  
 Standard Components of Standard Makes and Models: 526  
 Standard Nomenclature List: 539-40  
 Stander, Capt. Richard R.: 490  
 Stanley, Col. Thomas H.: 44, 45-47, 48, 49, 484, 490n  
 Startzman, Lt. Col. Paul H.: 568, 569  
 Stimson, Henry L.: 220, 221  
 Stock control: 532-33, 537-38, 539-40, 541, 543-46, 554-56, 557-58, 564, 566, 569, 572  
 Stock Control, Director of. *See* Rodwell, Lt. Col. Charles R., Jr.  
 Stock levels. *See* Stock control.  
 Storage Branch, OCE: 554  
 Storage and Issue Branch, OCE. *See* Requirements, Storage and Issue Branch, OCE.  
 Storage of supplies. *See* Depots.  
 Strategic Engineering Studies: 440-41  
 Strategic intelligence: 438-41. *See also specific theaters of operations*; Intelligence Division, OCE, and strategic intelligence; Theaters of operations.  
 Strategy  
   effect on training programs: 579  
   effect on troop basis: 143, 144, 223  
   relation to Class IV supplies: 500-501, 502-03, 505, 506  
   role of amphibious operations in: 355, 358, 359  
 Stratemeyer, Lt. Gen. George E.: 328  
 Strength: 575  
   AGF component: 342, 345, 346  
   deployment of: 530  
   distribution of: 238-39, 351  
   National Guard component: 112  
   Negro component: 118, 119  
   Regular Army component: 109  
   World War I: 2  
   1939-41: 9, 16, 115-16  
   1941-42: 134  
   1942: 146, 175  
   1943: 216  
   1945: 216  
 Sturdevant, Maj. Gen. Clarence L.: 132, 217, 488  
   beach obstacle clearance: 475  
   officers and officer candidates: 146, 150, 151, 152  
   training  
     amphibious: 361, 363, 364, 369-70, 377, 379, 387  
     specialists: 242, 243  
     unit training centers: 274, 278, 304  
   troop organization  
     combat battalions, divisional: 137  
     construction units: 237

Sturdevant, Maj. Gen. Clarence L.—Continued  
   troop organization—Continued  
     general units: 139, 143  
     group system: 231-32, 346  
     supply and maintenance units: 227, 570, 571  
     topographic units: 456  
 Styer, Lt. Gen. Wilhelm D.: 220, 234-35  
 Sullivan, Col. John S.: 304  
 Supplies. *See also* Base depot companies; Base equipment companies; Depot companies; Depot group headquarters and headquarters companies; Equipment; Equipment companies; Light equipment companies.  
   Class II. *See* Class II supplies.  
   Class IV. *See* Class IV supplies.  
   distribution of: 7, 104-05, 135, 505, 506-07, 530, 532, 538-39. *See also* Depots.  
   maintenance of. *See* Maintenance of equipment.  
   nomenclature and numbers: 207, 532-33, 539-40, 557-58  
     spare parts: 562, 563, 566-67, 569  
   procurement of. *See* Procurement of supplies.  
   requirements for. *See* Requirements for supplies.  
   summary and evaluation: 573, 575-76  
   surpluses of: 559, 571-72  
   in theaters of operations: 214-15, 572  
 Supply catalogs. *See* Supplies, nomenclature and numbers.  
 Supply Control System: 545-46, 554, 557-59, 569  
 Supply (Section) Division, OCE: 217, 515, 540, 555n. *See also* Fowler, Brig. Gen. Raymond F.; Silkman, Col. John M.  
   administration and functions: 7, 132, 134, 175  
   bridging: 27, 494  
   Class IV supplies: 176, 180, 198, 500, 501-02, 505, 506, 507, 576  
   construction machinery: 182, 186, 210, 321, 518, 523, 524  
   Controlled Materials Plan: 512, 513-14  
   equipment maintenance and spare parts: 211, 566, 567, 569, 570-71  
   equipment standardization: 207, 208-09  
   international aid: 183, 184, 188, 195-96, 197, 198, 499  
   priorities: 103  
   procurement  
     administrative organization: 177, 178, 509  
     assistance to industry: 192  
     planning: 89, 91  
     policies and procedures: 92, 93  
   Production Requirements Plan: 199  
   replacement and distribution factors: 194-95, 523  
   task force supplies: 104-05  
 Surgeon General, The: 408  
 Surgeon General's Office: 157



- Survey liaison teams: 456
- Sverdrup, Maj. Gen. Leif J.: 44, 45
- Sverdrup and Parcel: 39, 51
- Table of Organization 5-500: 229-30, 233, 454-55, 456
- Tables of basic allowances: 7, 29, 31, 33, 48-49, 179, 180, 193
- Tables of organization: 7, 223
- airborne battalion: 145n
  - amphibian brigade: 365, 387
  - armored battalion: 24, 138
  - aviation battalion: 140
  - aviation regiment: 18, 25, 140
  - combat battalion, divisional: 23
  - combat regiment, corps: 24, 139
  - construction battalion: 236
  - depot group headquarters and headquarters company: 227
  - general service regiment: 24, 139
  - heavy ponton battalion: 141, 226
  - light ponton company: 141, 226
  - maintenance company: 206, 228, 229
  - mechanized troop: 17
  - parts supply company: 227
  - petroleum distribution units: 427
  - port construction and repair group: 393
  - shop company: 35
  - topographic battalion, army: 79
  - utilities detachment: 230
  - water supply battalion: 141-42
- Talley, Col. Benjamin B.: 65-66, 68
- Tank-Automotive Center: 492
- Tank dozer: 470-71, 473-75, 481-82, 497
- Tanks
- for training: 254, 255
  - weight and width of: 37-38, 40-41, 44, 46, 49-50, 483, 486, 490-92, 496, 574
- Task forces: 100, 104-06, 116, 176, 179, 180
- Technical services. *See also specific services.*
- joint training at Camp Ellis: 296-97, 302-03
  - proposed abolition: 219-20
- Tehran Conference: 459
- Tennessee Valley Authority: 443, 444, 456, 457, 468
- Terrain models: 455-56
- Theaters of operations. *See also specific theaters and campaigns.*
- aviation battalions: 323
  - diversion of engineer units from specialized functions: 238, 331, 353-54, 578
  - effect on equipment development: 467, 468
  - engineer activities in: 1, 238-39
  - mapping: 445-46, 453-54
  - petroleum distribution: 434
  - port reconstruction: 391, 399
  - Strategic Engineering Studies: 440-41
- Theaters of operations—Continued
- supplies: 555-56
    - Class IV: 501-07
    - construction machinery: 523-24, 549
    - nonstandard equipment: 562
    - spare parts: 561, 567, 568, 570
  - Third Army: 128, 129, 130, 302, 306
  - Thomas, Col. William N., Jr.: 57-58, 60
  - Thompson, Brig. Gen. Paul W.: 19-20, 130-31, 488-89, 490, 492
  - Time: 129
  - Todd, Brig. Gen. Walter E.: 380, 382
  - Tompkins, Maj. Gen. William F.: 130
  - Topographic units: 26
    - battalions: 447, 452
    - battalions, army
      - control of: 222
      - organization, equipment, and functions: 66, 73, 75, 76, 78-79, 456
    - battalions, base (GHQ): 66n, 69, 442
      - control of: 222
      - organization, equipment, and functions: 66, 76, 78, 79, 456
    - companies, corps: 16, 115
      - control of: 222
      - equipment and functions: 68, 73, 74, 75, 76, 78
    - functions: 11
      - in T/O 5-500: 230, 454-55
      - use of tri-metrogon photography: 448
  - Tractors: 186, 190-92, 199, 201, 547, 547n. *See also Bulldozers; Construction machinery.*
  - Trade schools: 36, 116, 241, 242, 243, 244, 247, 251, 252, 253, 262, 263, 286, 287-88. *See also Caterpillar Tractor Co.; Evinrude Motor Co.; Franklin Technical Institute of Boston; Higgins Industries, Inc.; Metropolitan Technical School of New York; R. G. LeTourneau, Inc.; Radio-Television Institute; Samuel Gompers Trade School.*
  - Training: 7, 8. *See also Basic training; Engineer School, training, curriculum, faculty and output; Officer Candidate School; Replacement training; Specialists, training; Unit training; and under Officers.*
    - combat versus technical: 160, 302, 339
    - general versus specialized: 114, 259, 293, 578, 579
    - realism in: 285, 299, 300-302, 305, 329-30, 432
    - requirements and output: 242, 252-53
    - summary and evaluation: 573, 574, 578-79
  - Training aids: 172, 278
  - Training literature: 7, 8, 114
  - Transportation Corps: 216, 219, 414, 501, 504
    - enlisted men: 231
    - landing craft: 382, 383
    - port repair ships and crews: 400, 401, 403, 404, 405, 406, 407-09
    - railroad operation: 3, 279

## Transportation Corps—Continued

specialists required: 117n, 241

Strategic Engineering Studies: 440

Treadway bridge companies: 222. *See also* Bridge company, armored battalion.

Treasury Department: 184, 186

Treiber, Capt. Kenneth L.: 424, 426, 429, 430

Triangular division: 12, 15, 23

TRIDENT conference: 502

Tri-metrogon mount: 446-54, 460, 463

Troop basis: 179, 221, 337

1942: 142, 144, 148, 149, 180

1943: 333, 393, 570, 571

1944: 456, 570, 571

## Troop units

distribution: 4, 238-39

division of control among commands: 144, 145, 221-23, 227-28, 229, 232, 234-36, 314, 316-17, 343-44, 570, 571, 578

organization: 573, 577-78. *See also* Cellular organization; Group system of organization; Tables of organization; and *under specific types of units*.Troops Division, OCE: 132, 242, 466, 490. *See also* Sturdevant, Maj. Gen. Clarence L.

Trudeau, Brig. Gen. Arthur G.: 305n, 361, 362, 382n

amphibious operations and training: 363, 368-69, 373, 379, 380-85

as Deputy Director of Training, ASF: 304, 361

port construction and repair group: 416

Under Secretary of War. *See also* Patterson, Robert P.

and dredges: 411

functions: 135, 136

Under Secretary of War, Office of the

Director of Production. *See* Knudsen, Lt. Gen. William S.

procurement procedures: 176-77

Underwater obstacles: 475n

Union Army Engineer Battalion: 2

Unit training: 164. *See also* Amphibious training; Field exercises; Forestry companies; Heavy shop companies, personnel and training; Maneuvers; Petroleum distribution, personnel and training for; Port reconstruction.

AAF: 270, 315-16, 322-24

center system: 320, 325-29, 334. *See also* Engineer Aviation Unit Training Centers.

disruptions due to personnel cuts and inactivations: 331-33

disruptions due to theater demands: 335-36

programs and projects: 329-30, 335

regimental system: 319-20, 324

AGF: 270

combat battalions, divisional: 338-39

nondivisional units: 339, 340, 341, 343-46

## Unit training—Continued

## AGF—Continued

12-week program: 349

1944 programs: 352-53

## ASF: 270

6-week program: 272-77

13-week program: 280-81, 283, 284-86

13-week revised and 13-week advanced program: 293-94

17-week program: 296

ASF, AGF, and AAF methods compared: 338, 354, 579

construction projects at camps and air bases: 111, 112, 126-27, 128, 275-76, 298-99, 303, 304, 307, 322, 323-24

before Pearl Harbor: 111, 112, 125-28

summary and evaluation: 131, 313, 354, 579

Unit training centers: 277, 344, 579. *See also* Engineer Unit Training Centers.United Kingdom. *See* Great Britain.

United States Steel Corp.: 58

University of Chicago: 439

University of Kentucky: 244, 246, 263

Upper Mississippi Valley Division: 509, 521, 522

U.S. Coast and Geodetic Survey: 368, 427, 443, 460, 461

U.S. Forest Service: 443, 444, 450

U.S. Geological Survey: 65, 66, 439, 440, 443, 446, 448, 450, 456, 457

U.S. Maritime Commission: 400, 511

U.S. Military Academy: 2, 3, 109, 110, 120, 121, 146, 158, 159, 304

U.S. Naval Amphibious Training Base: 464

U.S. Power Squadron: 365

USSR: 499, 500

Utah ASF Depot: 537, 543, 560n, 566

УТАН beach: 459

Utilities detachments: 156, 229-30, 307

Van Noy: 403, 407, 408, 409-10

## Vehicles

weight and width of: 31, 494, 495. *See also* Tanks, weight and width of.

Victaulic Company of America: 418, 425

Victaulic couplings: 418, 422, 425, 428

Virginia State College for Negroes: 244, 263

Vocational Schools. *See* Trade schools.

Vogler, Capt. John R.: 439, 440, 462

W. and L. E. Gurley Co.: 98, 201, 203

Wacs: 267

Walsh, Col. James E.: 475

War Department. *See also* General Staff.

amphibious operations, organization, and training: 355, 360, 363, 364, 365, 372, 373, 376, 379, 382, 385

Army expansion before Pearl Harbor: 111

## War Department—Continued

- build-up in Britain: 144
- mapping, 443, 444, 448, 451, 452, 453, 462
- mine warfare: 347
- mobilization plans: 10, 93, 109
- National Guard: 113
- personnel policies
  - AAF: 327, 331, 332
  - AGF: 340, 341, 343, 351
  - assignment of fillers: 161
  - Negroes: 118, 119, 310
  - officer candidates: 150, 151, 152
  - officer classification: 123
  - officers commissioned from civil life: 156, 157, 158
  - recruitment by voluntary enlistment: 270, 329, 350, 430
  - Reserve officers: 120, 122–23, 124
  - rotation: 267, 414–15
- petroleum distribution: 419, 421, 425
- redistribution of manpower and equipment: 223
- reorganization of: 135–36, 574
- supplies
  - Class IV: 504, 506
  - cuts in basic allowances: 193
  - international aid: 183, 197, 198
  - preshipping equipment: 353
  - procurement of supplies before Pearl Harbor: 92, 94, 100, 106
  - procurement of tractors: 547n
  - spare parts: 561
  - for training: 105
- training: 166
  - AGF nondivisional units: 340, 343, 345
  - facilities: 243, 287
  - Negro units: 308
  - programs: 162, 296, 352, 579
  - realism in: 330
  - staffs: 300
- troop organization
  - airborne aviation units: 315, 316
  - airborne battalions: 145n
  - armored units: 17, 24
  - aviation units: 18
  - cellular system: 230
  - classification and control of engineer units: 221–23, 316–17
  - combat battalions, divisional: 15, 16, 23
  - combat and general service regiments: 139
  - construction units: 238
  - corps units: 15, 16, 24
  - engineer strength: 115
  - group system: 225, 231
  - maintenance units: 570
  - parts supply company: 228
  - port construction and repair: 392, 393, 416
- War Department Budget Office: 36
- War Department Map Collection: 441, 444
- War Plans Division, OCE: 217, 496
- War Production Board: 179, 196, 551, 576
  - Army Supply Program: 498
  - construction machinery: 182, 186, 190, 191, 201, 208, 210, 211, 512, 513, 514, 547
  - engines and other components: 511, 514, 515, 516, 517
  - materials allocation systems: 189, 199, 500, 507, 511–12, 513, 514
  - materials conservation: 201, 203
- War Shipping Administration: 402, 403
- Ward, Maj. Gen. Orlando: 70, 72
- Washington Conference of 1921–22: 355
- Water supply battalions: 26, 293
  - control of: 222
  - organization, equipment, and functions: 11, 141–42, 225–27, 230
- Water supply companies: 226, 227, 230
- Water supply equipment
  - development of: 141, 467
  - procurement of: 93, 99, 108, 204, 551, 553
- Waterways Experiment Station, Vicksburg Miss.: 467
- Waukesha Motor Co.: 516, 519
- Weeks, General Sir Ronald: 499
- Weible, Maj. Gen. Walter L.: 296–97
- Weidner, George: 475
- West Point. *See* U. S. Military Academy.
- West Wall: 19
- Westover Field, Mass.: 127, 316, 319, 324, 325, 329, 334
- Whiteley, Brigadier J. F. M.: 104
- Wilson, Vice Admiral Russell: 376
- Withers, Col. George K.: 510
- Wood, Brig. Gen. John E.: 118, 119
- Wood, Maj. Gen. John S.: 488
- Wood, Maj. Gen. Walter A., Jr.: 13, 492
- Woodbury, Col. Harry G.: 315
- Workman, Maj. Richard H.: 554, 558
- World War I: 2, 5, 573, 577
  - camouflage: 81, 82, 85
  - construction equipment: 29
  - engineer troops: 16, 117, 575, 577
  - influence on organization and plans: 10–11, 19, 135, 355, 391, 392
  - labor battalions: 118
  - mapping: 64, 65, 77
  - petroleum pipelines: 418
  - procurement of supplies: 88
- World War II. *See also* Blitzkrieg.
  - characteristics of: 1, 1n, 143, 573
  - early campaigns: 18–19, 93, 94
- Worsham, Brig. Gen. Ludson D.: 219, 221, 481
- WPA: 439, 441–42, 443, 541
- Wright, J. M.: 512, 514, 554, 555, 558